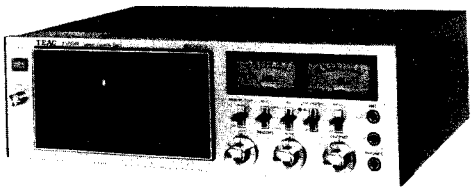
TEAC®



# SERVICE MANUAL

# A-550RX

## Stereo Cassette Deck

5704001700

# 1 SPECIFICATIONS AND SERVICE DATA

## SPECIFICATIONS

**Track System** 4-track, 2-channel stereo
**2 Heads** Erase and Record/Playback
**Type of Tape** Cassette tape, C-60 and C-90 (Philips type)
**Tape Speed** 4.8 cm/s (1-7/8 ips)
**Input (level and impedance)**
MIC: Specified input level; −57 dB (1.09 mV)/10 kohms
Min. input level; −67 dB (346μV)
LINE IN: Specified input level; −9 dB (275 mV)/50 kohms
Min. input level; −19 dB (86.9 mV)
DIN*1: Min. input level; −35 dB (13.8 mV) (Europe Model only)
*1 Pursuant to DIN standards
**Outputs (level and load impedance)**
OUTPUT: Max. output level; −2.5 dB (580 mV)/50 kohms
Specified output level; −5 dB (436 mV)
Headphones: Specified output level; −15 dB (138 mV)/8 ohms
**Equalization**
METAL: 3180μs+70μs
CO($CrO_2$): 3180μs+70μs
NORMAL: 3180μs+120μs
**Head Configuration**
1/2-track, 1-channel Erase Head
1/4-track, 2-channel record/playback head
**Motor** FG servo controlled DC motor
**Bias Frequency** 100 kHz
**Operation Position** Horizontal
**Power Requirements**
100/117/220/240V AC, 50/60 Hz, 42W
(General Export Model)
117V AC, 60 Hz, 44W (U.S.A./Canada Model)
220V AC, 50 Hz 36W (Europe Model)
240V AC, 50 Hz 36W (U.K./Aus. Model)
**Weight** 9.5 kg (20-15/16 lbs.) net
12.0 kg (26-7/16 lbs.) net (Some General Exp. Models have wood panels/case.)
**Dimensions** See Fig. 1-1.

## SERVICE DATA

### MECHANICAL

**Tape Speed Deviation** 3,000 Hz±45 Hz
**Tape Speed Drift** 45 Hz
**Wow and Flutter**
Playback: 0.07% (WRMS), 0.15% (RMS)
Record/Playback: 0.20% (RMS)
**Pinch Roller Pressure** 350 g to 450 g (12.3 oz. to 15.9 oz.)
**Reel Torque**
Take-up: 40 to 60 g.cm (0.6 to 0.8 oz-inch)
Supply: 2 to 6 g.cm (0.03 to 0.08 oz-inch)
Fast Forward: 80 to 150 g.cm (1.1 to 2.1 oz-inch)
Rewind: 100 to 150 g.cm (1.4 to 2.1 oz-inch)
**Fast Winding Time**
About 90 seconds for MTT-501 (C-60)

### ELECTRICAL

**Frequency Response**
**Playback** Reference 315 Hz:
40 Hz ~ 6.3 kHz ±2 dB
10 kHz +2, −3 dB
14 kHz +2, −4 dB
**Overall** Reference 400 Hz:
METAL/CO ($CrO_2$)
40 Hz +2, −4 dB
63 Hz ~ 10 kHz ±2 dB
14 kHz +2, −4 dB
NORMAL
40 Hz +2, −4 dB
63 Hz ~ 6.3 kHz ±2 dB
10 kHz +2, −3 dB
12.5 kHz +2, −4 dB

**Signal-to-Noise Ratio**

| | | |
|---|---|---|
| PLAYBACK: | NORMAL; | 48 dB min. |
| OVERALL: | Co($CrO_2$) & METAL; | 48 dB min. (NR-OUT), 65 dB min. (NR-dbx*2) |
| | NORMAL; | 46 dB min. (NR-OUT), 65 dB min. (NR-dbx) |

S/N is improved by 5 dB at 1 kHz and 10 dB above 5 kHz when Dolby*3 NR is used.
**Erase Efficiency** 65 dB min. at 1 kHz (measured with input 10 dB higher than the specified input level)
**Channel Separation** 30 dB min. (NR-OUT), 40 dB min. (NR-dbx) at 1 kHz
**Adjacent Track Crosstalk** 40 dB min. at 125 Hz
**Total Harmonic Distortion** 2.0% or less (NR-OUT), 1.5% or less (NR-dbx) at 400 Hz w/3 types of tape

- Improvements may result in SPECIFICATIONS AND SERVICE DATA changes
- Value of "dB" in the Data refers to 0 dB (0.775 V), except where specified.

*2 dbx noise reduction system made under license from dbx, Incorporated. The word dbx and the Symbol are trademarks of dbx, Incorporated.
*3 Noise reduction circuit made under license from Dobly Laboratories. The word "Dolby" and the Double-D symbol are trademarks of Dolby Laboratories.

**WARNING**

⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components – refer to teh TEAC Parts List and ensure exact replacement.

# 2 PARTS LOCATION

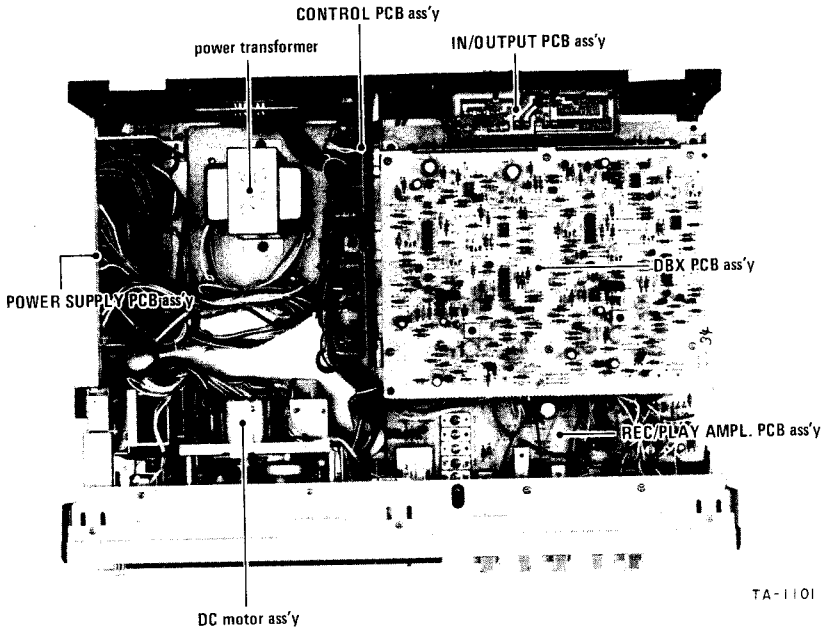



Fig. 2-1

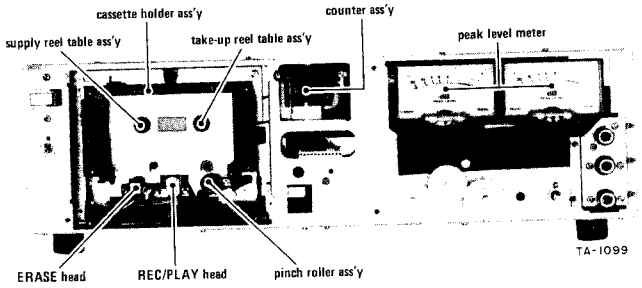
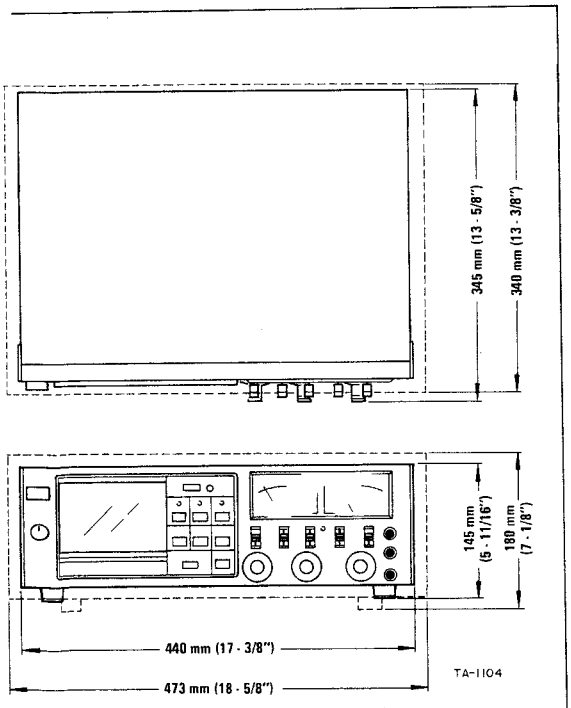



Fig. 2-2




Broken line indicates some General Export models.

Fig. 1-1

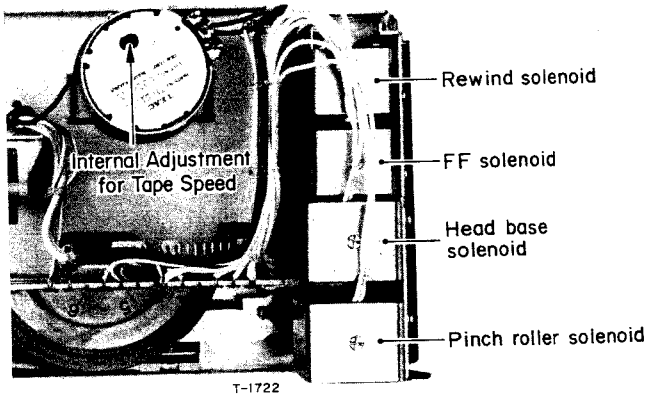



Fig. 2-3

# 3 CACE AND FRONT PANEL REMOVAL

Disassemble in number-order

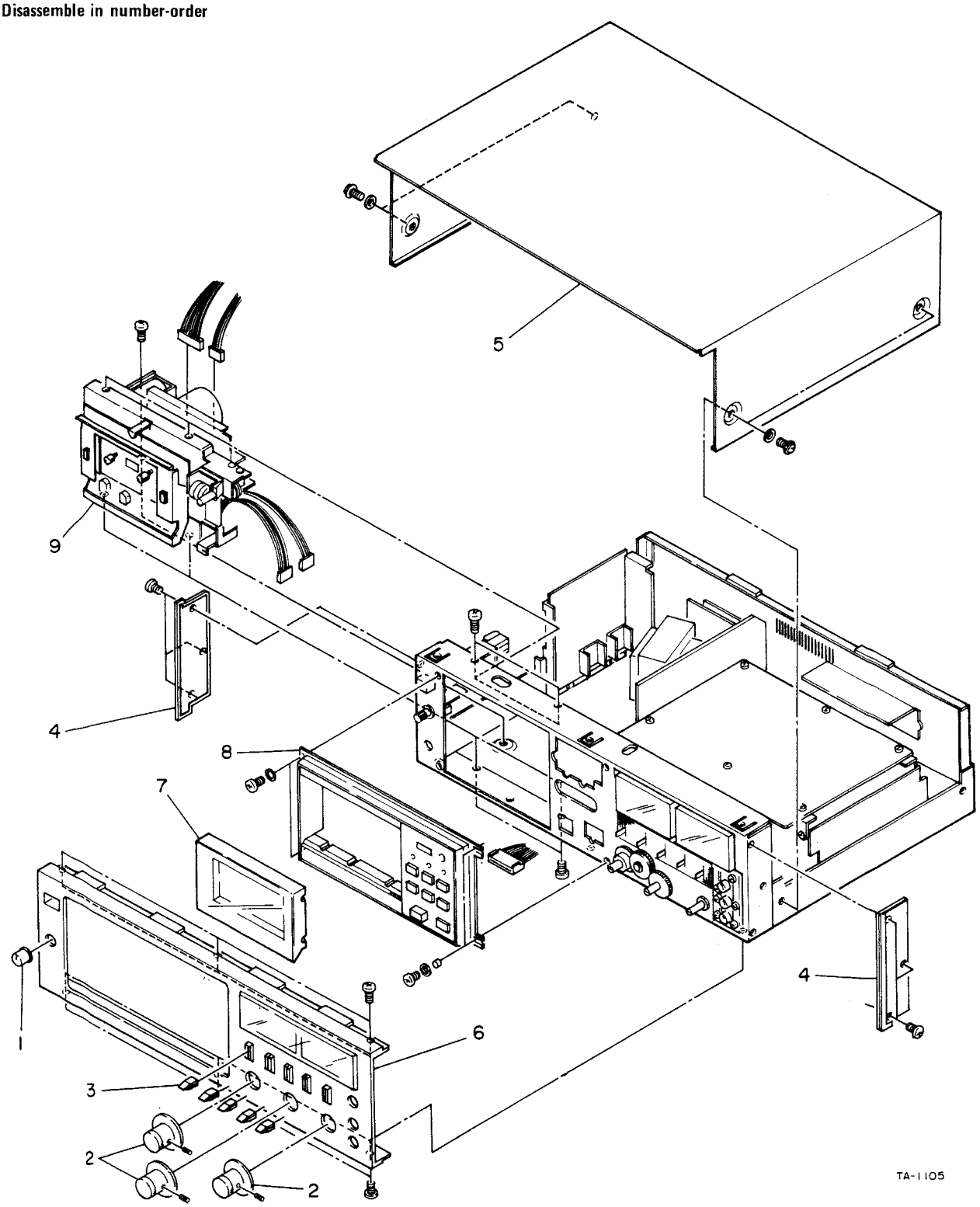



Fig. 3-1

# 4 MECHANICAL ADJUSTMENTS AND CHECKS

## 4-1 REEL TORQUE

**Specifications:**

| | |
|---|---|
| Take-up: | 40 to 60 g.cm (0.6 to 0.8 oz-inch) |
| Supply: | 2 to 6 g.cm (0.03 to 0.08 oz-inch) |
| Fast Forward: | 80 to 150 g.cm (1.1 to 2.1 oz-inch) |
| Rewind: | 100 to 150 g.cm (1.4 to 2.1 oz-inch) |

1. Load the cassette torque meter on the deck and read the pointer indication on the dial scale for each tape movement operation.

## 4-2 PINCH ROLLER PRESSURE

1. Place the deck in the PLAY mode with no tape loaded.
2. Attach the spring scale to the hole in the pinch roller ass'y as shown.
3. Draw the pinch roller away from the capstan shaft until the capstan shaft and the pinch roller are separated.
4. Return the scale back until the pinch roller just begins to rotate.
   The scale should then he reading as per spec.
   **Specification:** 350 g to 450 g (12.3 oz. to 15.9 oz.)

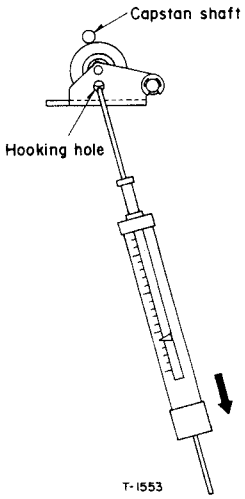



Fig. 4-1

## 4-3 CAPSTAN ASSEMBLY THRUST

**Specification:** 0.05 mm to 0.15 mm

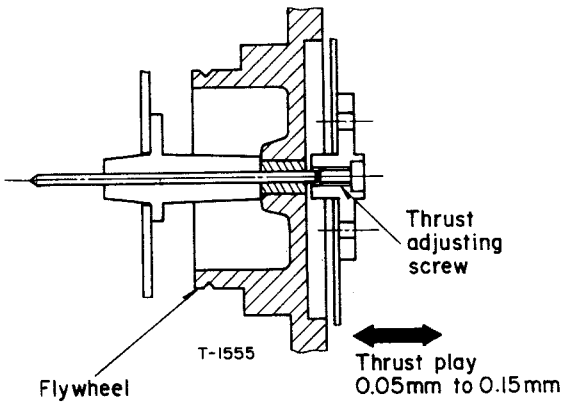



Fig. 4-2

## 4-4 HEAD BASE PLATE POSITIONNING

1. Set the deck in the PLAY mode.
2. Push the Head Base Plate in the direction of the arrow by hand to check whether there is any clearance between the Head Base Plate and the stopper portion of the mechanism chassis.
3. If there is any clearance, loosen the two screws on the head base plate solenoid and position the solenoid so that there is no clearance. See Fig. 2-3.

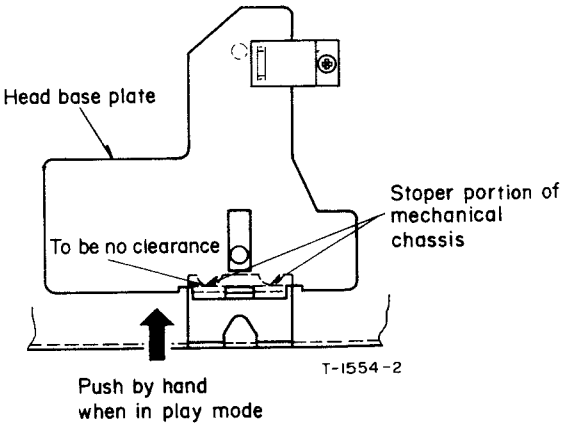



Fig. 4-3

## 4-5 MICRO SWITCH (A) ASSEMBLY CLEARANCE

1. Insert a blank cassette and close the cassette holder.
2. Loosen the two screws on the micro switch (A).
3. Move the switch so that actuator of the switch will contact the safety lever.
4. Adjust the switch position to get a clearance as shown.
5. Fasten the two screws.

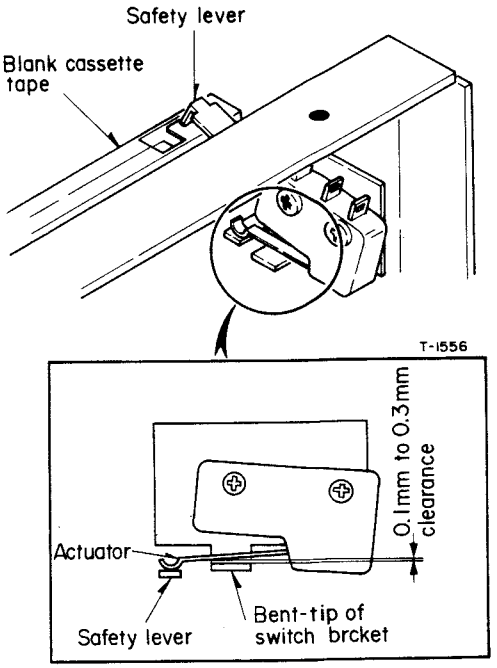



Fig. 4-4

## 4-6 MICRO SWITCH (B) ASSEMBLY CLEARANCE

1. Push the EJECT button to open the cassette holder.
2. Loosen the two screws on the micro switch (B).
3. Move the switch so that actuator of the switch contacts the bent-projecting portion of the eject lever.
4. Adjust the switch position to get a clearance as shown.
5. Fasten the two screws.

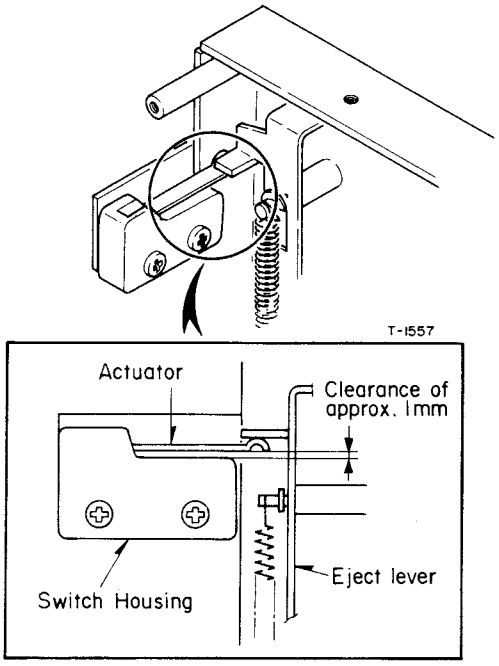



Fig. 4-5

## 4-7 TAPE SPEED

1. Load and play a TEAC MTT-111 test tape.
2. Using a common slotted screwdriver with a handle completely insulated from the screwdriver blade, adjust the control on the motor for a reading of 3,000 ±5 Hz. See Fig. 2-3.
3. Check the followings at the beginning and the end of the tape.
   **Specifications:**
   Tape speed deviation . . . . . 3,000 Hz ±45 Hz
   Tape speed drift . . . . . 45 Hz
4. If the tape speed is out of spec., check the pinch roller pressure and the tape driving function for correctness, and make sure the tape path is clean.

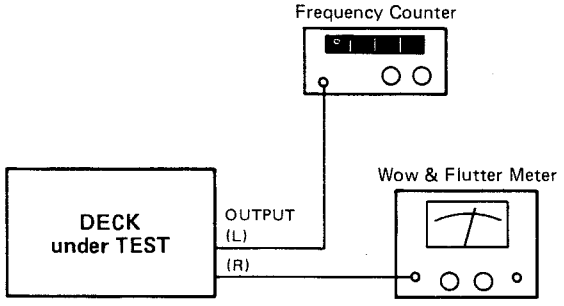



Fig. 4-6

## 4-8 LUBRICATION

Lubrication is only required when parts are replaced. For this purpose, use oil and grease specified below.

Oil: TEAC spindle oil (from TEAC TZ-255 oil kit), Mobil D.T.E. Oil Light, or equivalent

Grease: ORE-LUBE G1/3 or equivalent

1. Apply a drop of oil with an oil applicator to a point about 1/3 the way down the shaft (from the free end) of the flywheel, then insert the shaft into the capstan housing.
2. Apply a suitable amount of light grease to the well of the flywheel bearing.

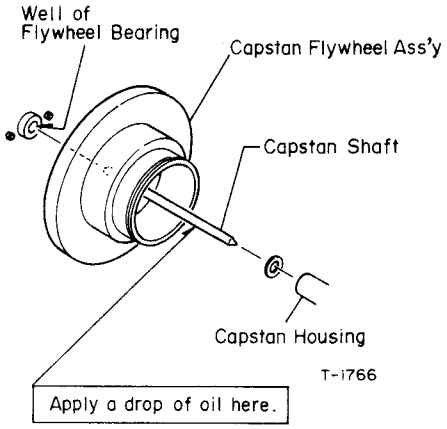



Fig. 4-7

## 4-9 VOLTAGE SELECTOR SETTING PROCEDURE (FOR GENERAL EXPORT MODELS)

1. Always disconnect the power line cord before making these adjustments.
2. Remove the top cover* of the deck by removing the screws from the sides.
3. Locate the voltage selector, shown in the illustration, to the front of the power transformer.
4. Loosen the two screws in the shorting bar and move the bar so that it shorts across the terminals marked with the required voltage (100, 117, 220 or 240).
5. Retighten the screws and replace the top cover*.

* Decks sold in some limited areas only have a wooden case which must be removed by the screws on the bottom of the deck before setting the voltage selector.

**NOTE:**

Since the A-550RX employs a DC servo motor, 50 Hz or 60 Hz operation is permitted without power line frequency adaptation.

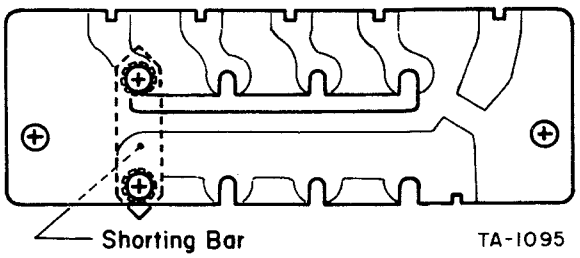



Fig. 4-8

# 5 ELECTRICAL ADJUSTMENTS AND CHECKS

**NOTES**

1. Before performing adjustments and checks, clean and demagnetize the entire tape path.
2. Make sure the deck is properly set for the voltage in your locality.
3. In general, adjustments and checks are done in the order of L-ch then R-ch. Double REF. Nos. indicate L-ch/R-ch. (Example: R11/R21)
4. The value of "dB" refers to 0 dB (0.775 V). If an AC voltmeter calibrated to 0 dB (1 V) is to be used, appropriate compensation should be made.
5. The AC voltmeter used in the procedures must have an input impedance of 1 M-ohms or more.
6. Note the "Deck settings" at the top of each chart. The settings must be used for all the checks or the chart unless explicitly stated otherwise.

## 5-1 POWER SUPPLY PCB ADJUSTMENT

1. Adjust R844 for +23 V DC at terminal 13 of the PCB to ground.
2. Adjust R845 for +15 V DC at terminal 23 to ground.
3. Check that there is −15 V DC at terminal 25 to ground.

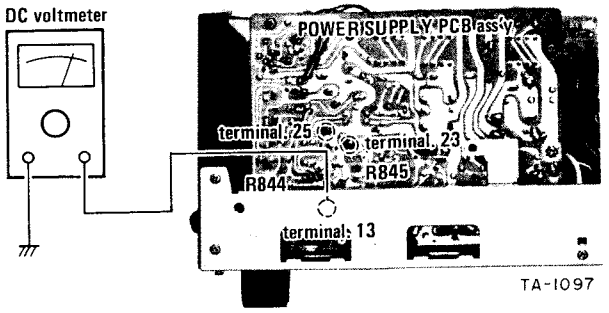



Fig. 5-1

## 5-2 BASIC TEST SETUP

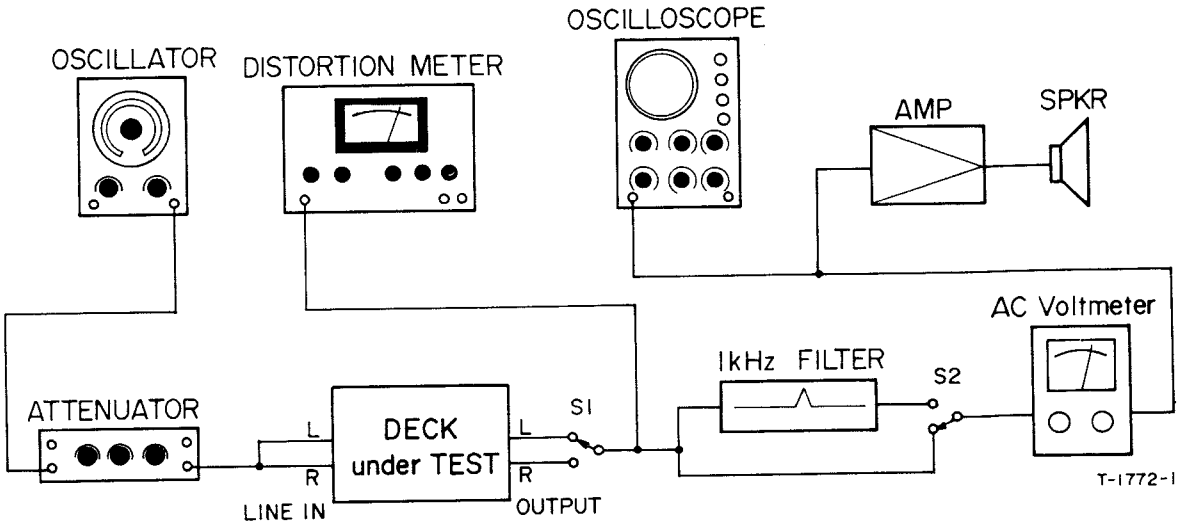



Fig. 5-2

**−70 dB or more ... What does it mean?**

Values in dB are often given like this: "−70 dB or more". This sometimes leads to confusion. Is −76 dB more than −70 dB or less? To put the record straight, the "more" refers to the absolute value. The absolute value of −70 is |70|. The absolute value of −76 is |76| which is 6 more than 70.
So, −76 dB is "more" than −70 dB
−55 dB is "less" than −60 dB

## 5-3 PLAYBACK PERFORMANCE

**Deck settings:**

EQ sw. – METAL
NR SYSTEM sw. – OUT

**TEAC test tapes:**

**MTT-150: For Dolby level calibration**
**MTT-316: For playback frequency response check for METAL, Co ($CrO_2$).**
**MTT-216: For playback frequency response check for NORMAL**

| ITEM | CONNECTION | MODE/ INSTRUCTION | SIGNAL SOURCE | ADJUST (or CHECK) | OUTPUT | REMARKS |
|---|---|---|---|---|---|---|
| 1. REC/PLAY head azimuth | Fig. 5–3 | OUTPUT cont. – convenient level position | MTT-150 | Check | Phase: within 45° on 'scope (Fig. 5–5) | |
| | " | " | MTT-316 (12.5 kHz/–20dB) | Azimuth adj. nut of head (Fig. 5–4) | Max. output on VTVM | |
| 2. Output level | VTVM between TP1/TP2 (on R/P AMPL. PCB) and GND | NR SYSTEM – DD | MTT-150 | R12/R22 | 580 mV (–2.5dB) | |
| | VTVM between TPIL/TPIR (on DBX PCB) and GND | NR SYSTEM – OUT | " | VR101/VR201 | " | |
| | Fig. 5–2 | OUTPUT cont. – Max. | " | Check | –2.5 dB ±2 dB (461 mV ~ 731 mV) | Max. output level |
| | " | ● Set OUTPUT cont. for –5dB output of ch. with lower reading | " | OUTPUT cont. | –5 dB (436 mV) | ● Spec. output level<br>● **Spec. PB condition**<br>**IMPORTANT: After finishing, do not move OUTPUT cont. during any later process.** |
| | " | ● Adjust for ch. with higher reading | " | R13 or R23 | " | |
| 3. Peak level meter | Fig. 5–2 | Spec. PB cond. | MTT-150 | R15/R25 | 0 dB on peak level meter | |
| 4. Frequency response | Fig. 5–2 | Spec. PB cond. EQ-METAL ● Adjust for 10 kHz to be the same level as ref. signal | MTT-316 | R11/R21 | 40Hz ~ 6.3kHz ±2 dB<br>10 kHz +2, –3 dB<br>14 kHz +2, –4 dB | Reference: 315 Hz |
| | " | Spec. PB cond. EQ-NORMAL | " (10 kHz/ –20 dB) | Check | 10 kHz output should raise about 5 dB than above actual one | |
| 5. Signal-to-noise ratio | Fig. 5–2 | Spec. PB cond. EQ-NORMAL ● Use fully erased tape (Use bulk tape eraser) | MTT-501 | Check | 48 dB min. ratio | Ratio of spec. output –5 dB to noise |
| 6. Headphone output level | Fig. 5–6 | Spec. PB cond. | MTT-150 | Check | –15 dB ±2 dB (109 mV ~ 173 mV) | ● At phone jack<br>● 8Ω load |

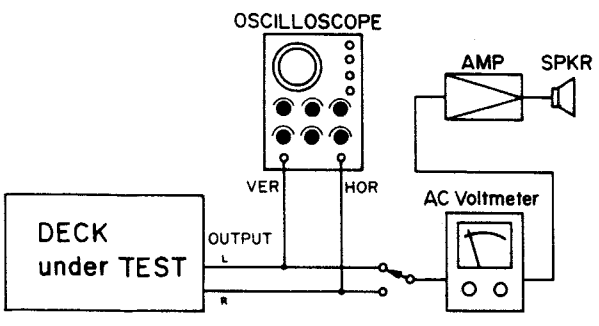



Fig. 5-3

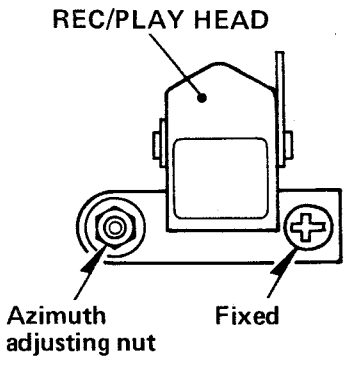



Fig. 5-4

## 5-4 MONITOR PERFORMANCE

**Deck settings:**

**RECORD-PAUSE mode**
**NR SYSTEM sw. – OUT**
**INPUT sw. – LINE**
**OUTPUT cont – Spec. position (Item 2)**

| ITEM | CONNECTION | MODE/ INSTRUCTION | SIGNAL SOURCE | ADJUST (or CHECK) | OUTPUT | REMARKS |
|---|---|---|---|---|---|---|
| **7. Min. input level** | Fig. 5–2 But, LINE IN → MIC | RECORD cont. – Max. INPUT – MIC | 400 Hz/–67 dB ±3 dB (245 μV ~ 489 μV) | Check | –5 dB (436 mV) | **NOTE: To prevent mismeasurements, any connection cords except these for each input check must be removed.** MIC Min. input level |
| | Fig. 5–2 But, LINE IN → DIN IN | INPUT–MIC | 400 Hz/–35 dB ±3 dB (9.75 mV ~ 19.5 mV) | ,, | ,, | DIN min. input level (for Europe model only) |
| | Fig. 5–2 | INPUT–LINE | 400 Hz/–19 dB ±3 dB (61.5 mV ~ 123 mV) | ,, | ,, | LINE IN min. input level |
| | ,, | ● If LINE input level difference between L and R is 2 dB or more, cut jumper (Fig. 5–12) on the lower reading ch. | ,, | ,, | ,, | By cutting, level can be raised 3 dB |
| **8. Spec. LINE input level** | Fig. 5–2 | – | 400 Hz/–9 dB (275 mV) | RECORD cont. | –5 dB (436 mV) | ● Spec. LINE input level<br>● **Spec. LINE input condition IMPORTANT: After this, do not move RECORD cont. during any later process** |
| | OSC → ATT to LINE IN<br>VTVM between TP1/ TP2 (on R/P AMPL. PCB) and GND | Spec. LINE input cond. | ,, | Check | 580 mV ±1 dB (518 mV 652 mV) | |
| **9. Peak level meter** | Fig. 5–2 | Spec. LINE input cond. | 400 Hz/–9dB (275 mV) | Check | 0 dB ±1 dB on peak level meter | |

NOTE: The bold arrows in the charts show the point up to which a particular control setting or condition must be maintained.

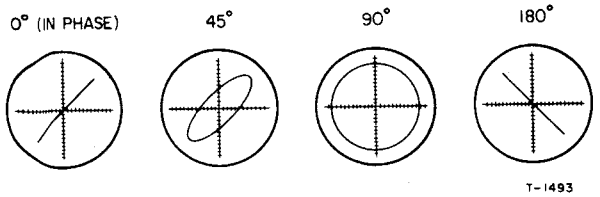



Fig. 5-5 Confirming Phase Relationship

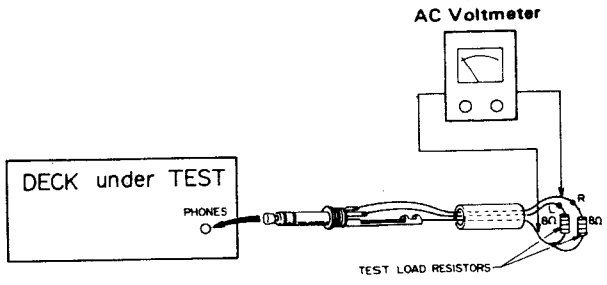



Fig. 5-6

## 5-5 RECORDING PERFORMANCE

**Deck settings:**

**NR SYSTEM sw. – OUT**
**INPUT sw. – LINE**
**OUTPUT cont. – Spec. position (Item 2)**
**RECORD cont. – Spec. position (Item 8)**

**TEAC test tapes:**

**MTT-506 or similar: For record test with Co ($CrO_2$)**
**MTT-501 or similar: For record test with NORMAL**
**METAL tape: For record test with METAL**

| ITEM | CONNECTION | MODE/ INSTRUCTION | SIGNAL SOURCE | ADJUST (or CHECK) | OUTPUT | REMARKS |
|---|---|---|---|---|---|---|
| **10. Bias trap** | VTVM between TP3/TP5 (on R/P ampl. PCB) and GND | Record-pause mode | No signal record. | L104/L204 (on R/P AMPL, PCB) | Min. reading | |
| | Fig. 5–2 | " | " | L101/L201 (on DBX PCB) | " | |
| **11. Record bias** | Fig. 5–2 | Spec. REC cond. { METAL/METAL; Co($CrO_2$)/MTT-506; NORMAL/MTT-501 } | 400 Hz & 10 kHz alternately /–42 dB (6.15 mV) | VC101/VC201 VC102/VC202 VC103/VC203 | Equal level at both freq. | **Spec. REC condition** . . . Record cond. w/ RECORD cont. in spec. LINE input position (Item 8) |
| **12. Record level** | Fig. 5–2 | Spec. REC cond. { METAL/METAL; Co($CrO_2$)/MTT-506; NORMAL/MTT-501 } | 400 Hz/–12 dB (195 mV) | R18/R28 R17/R27 R16/R26 | –8 dB (308 mV) | |
| **13. dbx encoding level** | VTVM between TP1L/TP1R (on DBX PCB) and GND | Record-pause mode Spec. REC cond. NR SYSTEM – dbx | 1 kHz/–9 dB (275 mV) | Check | 580 mV (–2.5 dB) | **Check steps 13 thru 16 only after you are sure that #5-6 is correct.** |
| | VTVM between TP2L/TP2R (on DBX PCB) and GND | " | 1 kHz/–14.5 dB (146 mV) | VR105/VR205 | –8 dB (308 mV) | |
| **14. dbx decoding level** | Fig. 5–2 | Same as above Co ($CrO_2$)/MTT-506 | 400 Hz/–12 dB dB (195 mV) | VR106/VR206 | –8 dB (308 mV) | Reference |
| | " | " , but NR SYSTEM –OUT | " | Check | 0 ±0.5 dB deviates from ref. | |
| **15. dbx distortion** | Fig. 5–2 | Spec. REC cond. NR SYSTEM – dbx ● Check w/ 3 types of tape | 400 Hz/–12 dB (195 mV) | Check | 1.5% or less distortion | |
| **16. dbx signal-to-noise ratio** | Fig. 5–2 | Same as above | 400 Hz/–9 dB (275 mV) then no signal record | Check | 65 dB min. ratio | Ratio of spec. output –5 dB and noise |
| **17. Total harmonic distortion** | Fig. 5–2 | Check w/ 3 types of tape | 400 Hz/–12 dB (195 mV) | Check | 2% or less distortion | |
| **18. Frequency response** | Fig. 5–2 | Spec. REC cond. METAL/METAL | 40 Hz~14 kHz/–42 dB (6.15 mV) | Check | 40 Hz +2, –4 dB 63 Hz ~ 10 kHz ±2 dB 14 kHz +2, –4 dB | Reference: 400 Hz |
| | " | Co($CrO_2$)/MTT-506 | " | " | " | |
| | " | NORMAL/MTT–501 | 40 Hz ~ 12.5 kHz/–42 dB (6.15 mV) | " | 40 Hz +2, –4 dB 63 Hz ~ 6.3 kHz ±2 dB 10 kHz +2, –3 dB 12.5 kHz +2, –4 dB | |
| | If freq. response is wrong, recheck steps 11 and 17. | | | | | |

**NOTE:** The bold arrows in the charts show the point up to which a particular control setting or condition must be maintained.

| ITEM | CONNECTION | MODE/ INSTRUCTION | SIGNAL SOURCE | ADJUST (or CHECK) | OUTPUT | REMARKS |
|---|---|---|---|---|---|---|
| **19. Signal-to-noise ratio** | Fig. 5–2 | Spec. REC cond.<br>{ METAL/METAL<br>Co($CrO_2$)/MTT-506<br>NORMAL/MTT-501 } | 1 kHz/–9 dB (275 mV) then no signal record. | Check | } 48 dB min. ratio<br>46 dB min. ratio | Ratio of spec. output –5 dB to noise |
| **20. Erase efficiency** | Fig. 5–2<br>Switch on 1 kHz filter | Spec. REC cond.<br>METAL/METAL<br>(or Co($CrO_2$)/ MTT-506)<br>● Record 1 kHz. Rewind tape to mid point of recorded portion. Do no signal recording. Get difference between 1 kHz portion and its erased portion. | 1 kHz/+1 dB (0.869 V) then no signal record. | Check | 65 dB min. ratio | |
| **21. REC MUTE function** | Fig. 5–2<br>Switch on 1 kHz filter | Spec. REC cond.<br>METAL/METAL<br>(or Co($CrO_2$)/ MTT-506)<br>● Record 1 kHz. Then push REC MUTE button for several sec. Rewind and play tape. Get difference between 1 kHz portion and the created no signal portion | 1 kHz/+1 dB (0.869V) then no signal record. | Check | 65 dB min. ratio | |
| **22. Channel separation** | Fig. 5–2<br>But use LINE IN (L)only as input, switch on 1kHz filter | Spec. REC cond.<br>METAL/METAL<br>(or Co($CrO_2$)/MTT-506)<br>● Set deck in record mode. Find differences between 1 kHz recorded portion (L-ch) and no signal portion (R-ch). | 1 kHz/–9 dB (275 mV) | Check | 30 dB min. ratio | |
| **23. Adjacent track crosstalk** | Fig. 5–2<br>But use LINE IN(R) only as input, and OUTPUT(R) only as output | Spec. REC cond.<br>METAL/METAL<br>(or Co($CrO_2$)/MTT-506)<br>● Record 125 kHz on R-ch. Note output level of its recorded portion. Invert tape and play R-ch track. Check leakage level against the output ref. of previously recorded portion. | 125Hz/–9dB (275 mV) | Check | 40 dB min. ratio | |
| **24. Dolby NR effect** | Fig. 5–2 | Spec. REC cond.<br>METAL/METAL<br>(or Co($CrO_2$)/MTT-506)<br>● Record 1 kHz w/ NR SYSTEM sw. to OUT. Play its portion w/ sw., OUT and DOLBY. Get the output level difference between OUT and DOLBY | 1 kHz/–29 dB (27.5 mV) | Check | Variation<br>5.5 dB ±2.5 dB | |
| | " | ● Repeat the above process for 10 kHz | 10 kHz/–39 dB (8,69 mV) | " | Variation<br>10 dB ±2 dB | |

## 5-6 DBX PCB ASSEMBLY CHECKS

**NOTE:** If checks in this section are conducted, re-adjust the following:
#5-3, ITEM 2, 2nd
#5-5, ITEM 13
#5-5, ITEM 14

### 5-6-1 CONNECTION

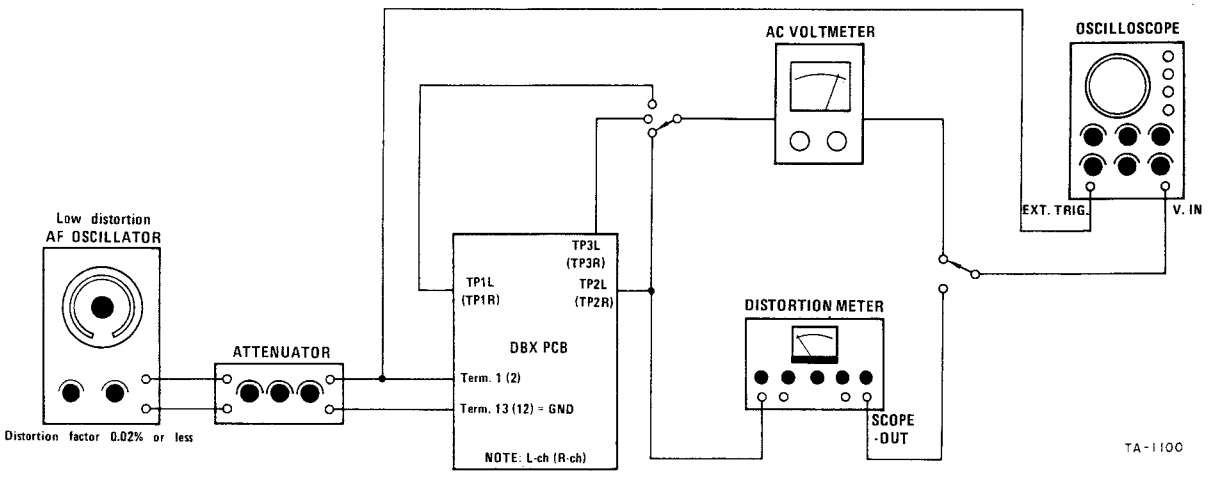



Fig. 5-7

### 5-6-2 DECODING CHECKS

Check in the play mode without loading tape, and with NR SYSTEM switch in OUT position.

| STEP | SIGNAL SOURCE | ADJUST (or CHECK) | MEASURING POINT (on DBX PCB) | RESULT | REMARKS |
|---|---|---|---|---|---|
| 1 | 1 kHz/−26.5 dB (36.7 mV) | VR101/VR201 | TPIL/TPIR | −2.5 dB (580 mV) | |
| 2 | 100 Hz/−32 dB (19.5 mV) | VR104/VR204 | TP3L/TP3R | Clean 200 Hz sine-wave (*1) (on 'scope thru VTVM) | ● RMS SYM adj.<br>● *1: 100 Hz x 2<br>● Refer Fig's 5-8 & 5-9 |
| 3 | 100 Hz/−32 dB | Check | " | 0.41 mV ±1 dB (0.365 mV ~ 0.460 mV) | |
| 4 | 1 kHz/−32 dB | VR106/VR206 | TP2L/TP2R | −8 dB(308 mV) | |
| 5 | 1 kHz/−35 dB (13.8 mV) | VR102/VR202 | " | Clean 3 kHz sine-wave (*2) (on 'scope thru distortion meter) | ● VCA SYM adj.<br>● *2: Third harmonic of fundamental (1 kHz)<br>● Refer Fig's 5-10 & 5-11 |
| 6 | 1 kHz/−35 dB | Check | " | Min. distortion factor (0.1% or less) | |
| 7 | 1 kHz/−30 dB (24.5 mV) | VR103/VR203 | " | Clean 3 kHz sine-wave (*2) (on 'scope thru distortion meter) | ● EM adj.<br>● Refer Fig's 5-10 & 5-11 |
| 8 | 1 kHz/−30 dB | Check | " | Min. distortion factor (0.1% or less) | |
| 9 | Repeat steps 4 through 8 until the best result is gotton. | | | | |
| 10 | 1 kHz/−32 dB (19.5 mV) | VR106/VR206 | TP2L/TP2R | −8 dB (308 mV) | Ref. 1 |
| 11 | 100 Hz/−32 dB | Check | " | −1 dB ±1 dB varies from ref. 1 | |
| 12 | 10 kHz/−32 dB | " | " | +9.4 dB ±1 dB varies from ref. 1 | |
| 13 | 1 kHz/−62 dB (615 μV) | " | " | −68 dB ±1 dB (275 μV ~ 346 μV) | |
| 14 | 1 kHz/−22 dB (61.5 mV) | " | " | +12 dB ±1 dB (2.75 V ~ 3.46 V) and 0.8% or less distortion | |
| 15 | 1 kHz/−82 dB (61.5 μV) | " | " | −90 dB (24.5 μV) or more | |

### VR104/VR204 setting

Incorrect

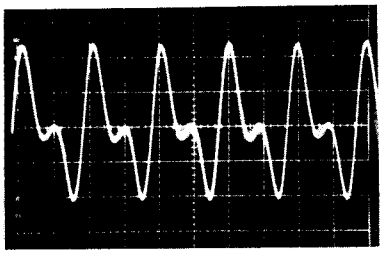


Fig. 5-8

Correct

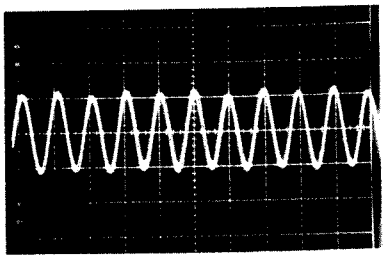


Fig. 5-9

### VR102/VR202 and VR103/VR203 setting

Incorrect

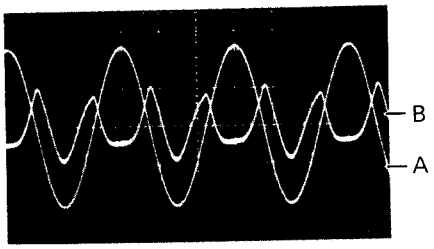



Fig. 5-10

Correct

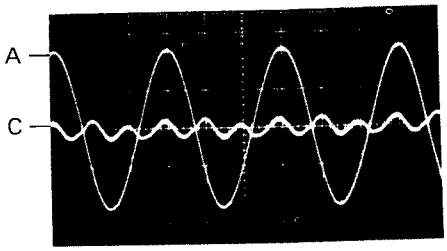



Fig. 5-11

A: 1 kHz sine-wave (fundamental)
B: Distortion wave (2 kHz)
C: 3 kHz sine-wave (third harmonic of fundamental)

### 5-6-3 ENCODING CHECKS

Check in the record-pause mode with NR SYSTEM switch in OUT position

| STEP | SIGNAL SOURCE | ADJUST (or CHECK) | MEASURING POINT (on DBX PCB) | RESULT | REMARKS |
|---|---|---|---|---|---|
| 16 | 1 kHz/−32 dB (19.5 mV) | VR105/VR205 | TP2L/TP2R | −8 dB (308 mV) | Ref. 2 |
| 17 | 100 Hz/−32 dB | Check | " | +0.5 dB ±1 dB varies from ref. 2 | |
| 18 | 10 kHz/−32 dB | " | " | −4.7 dB ±1 dB varies from ref. 2 | |
| 19 | 1 kHz/−92 dB (19.5 μV) | " | " | −38 dB ±0.5 dB (9.21 mV ~ 10.3 mV) | |
| 20 | 1 kHz/−12 dB (19.5 μV) | " | " | +2 dB ±0.5 dB (0.921 V~1.03 V) and 0.7% or less distortion | |

## 5-7 ADJUSTMENT AND TEST POINT LOCATIONS

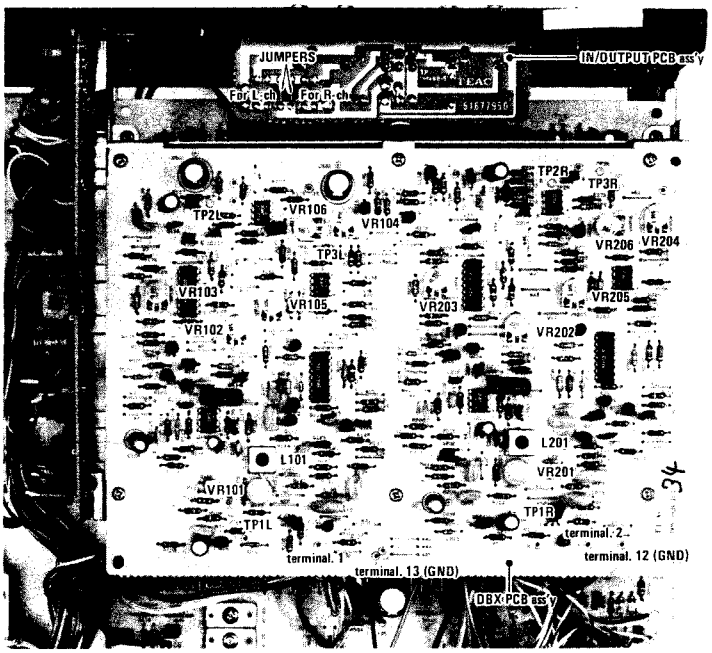



Fig. 5-12

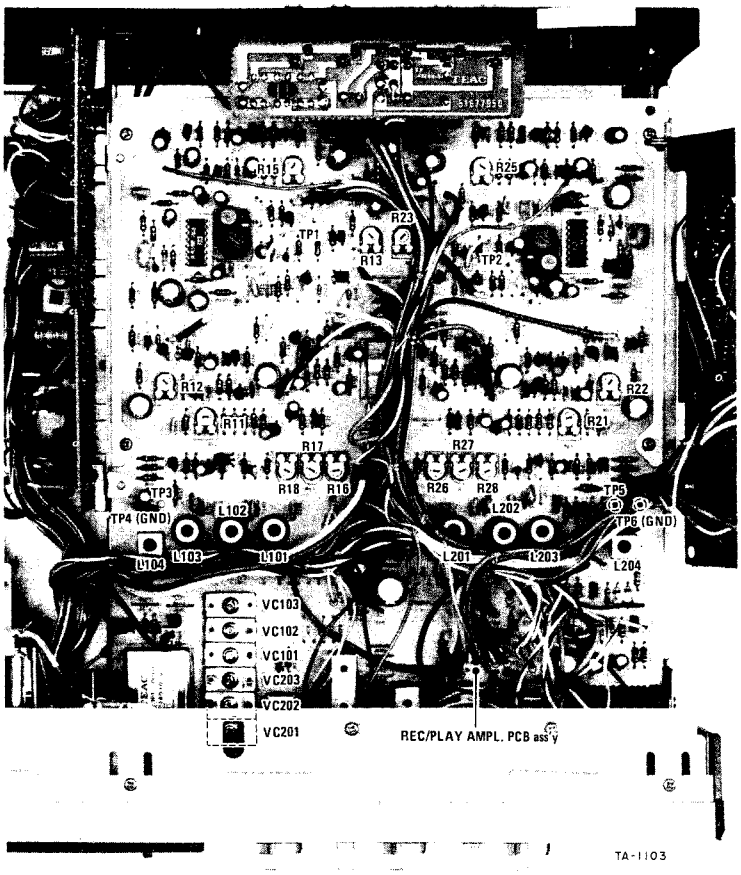
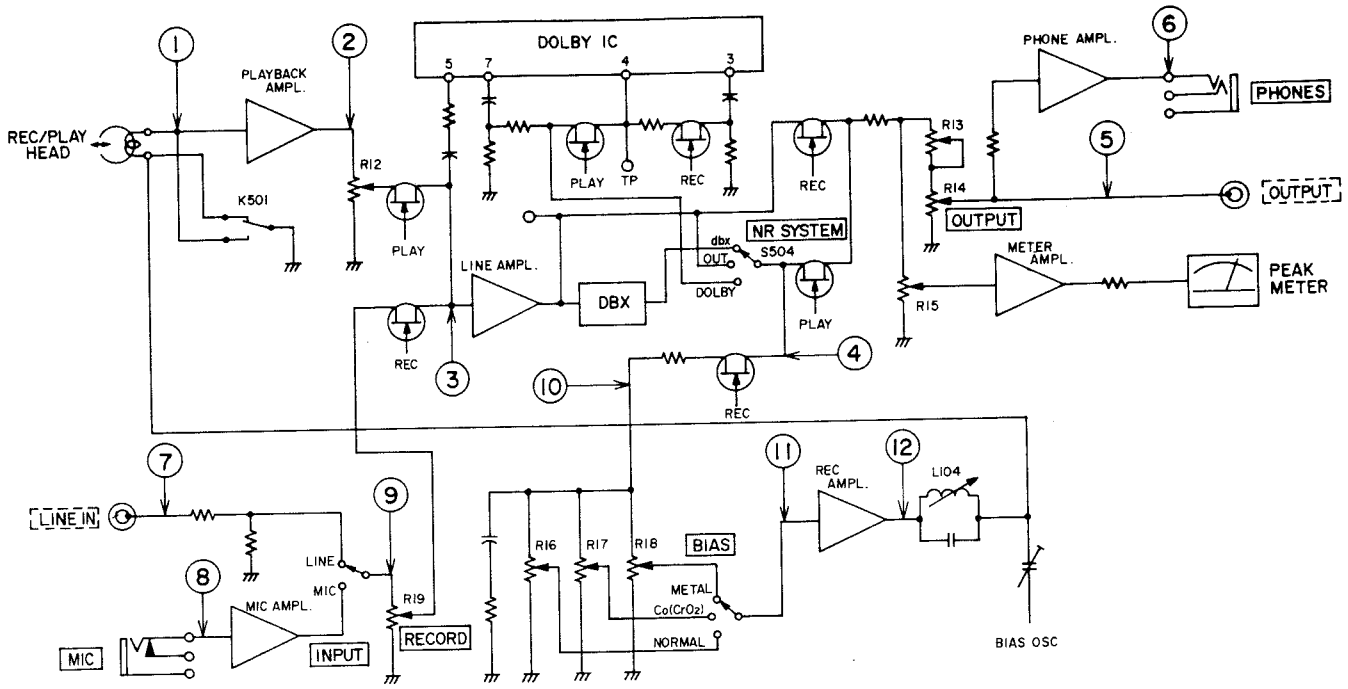
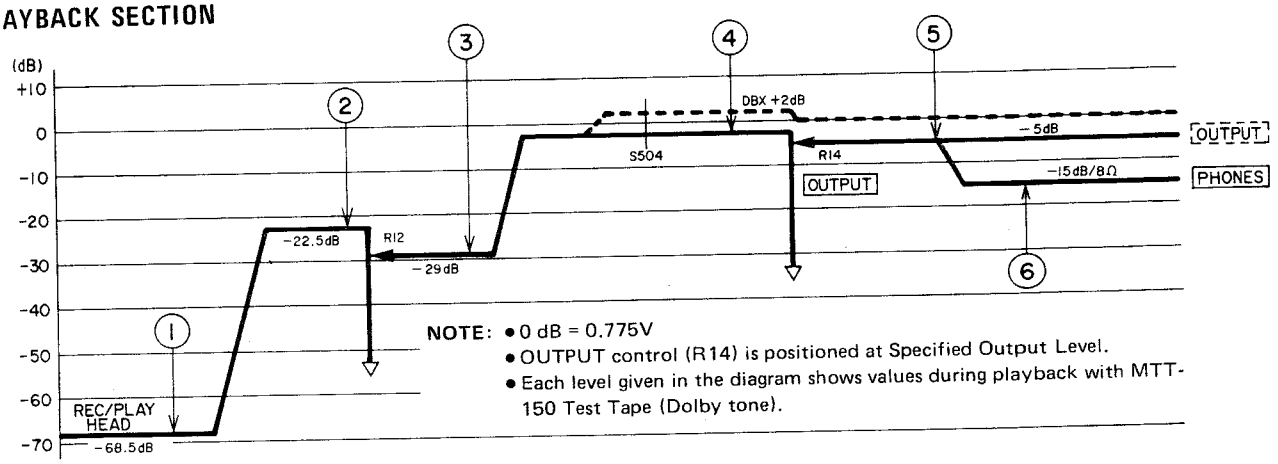



Fig. 5-13

## 5-8 LEVEL DIAGRAM

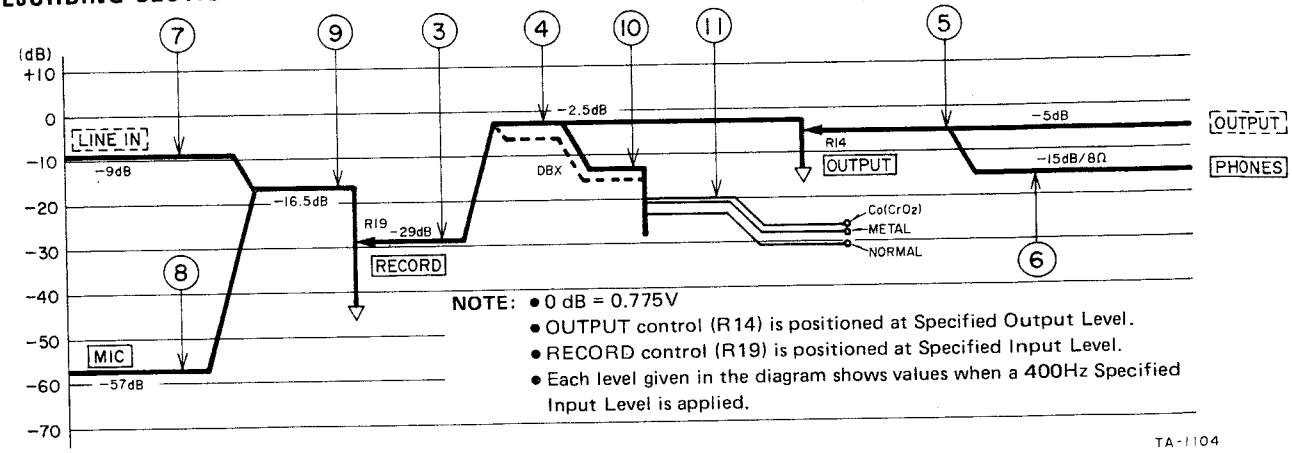



### PLAYBACK SECTION




NOTE:
- 0 dB = 0.775V
- OUTPUT control (R14) is positioned at Specified Output Level.
- Each level given in the diagram shows values during playback with MTT-150 Test Tape (Dolby tone).

### RECORDING SECTION



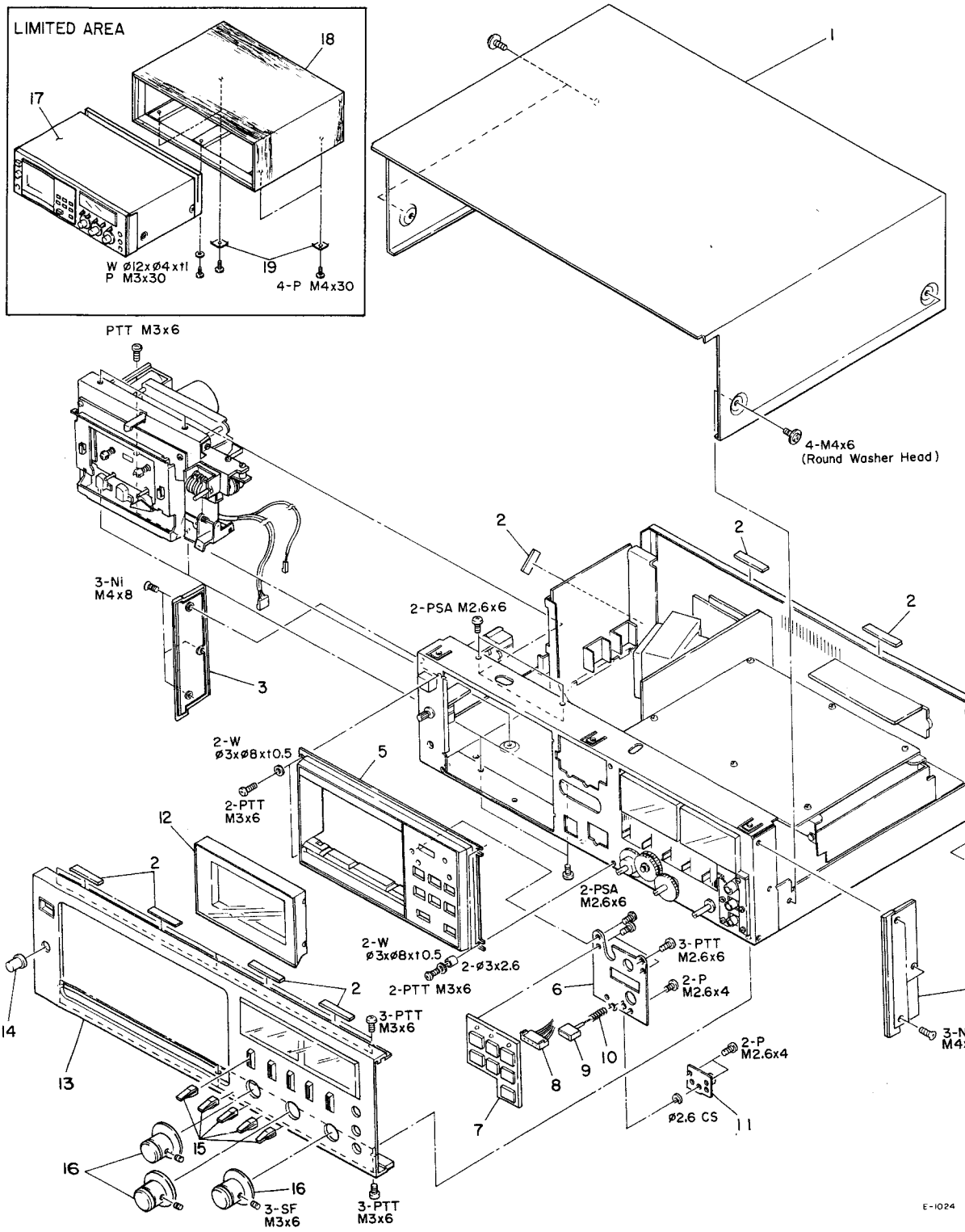

NOTE:
- 0 dB = 0.775V
- OUTPUT control (R14) is positioned at Specified Output Level.
- RECORD control (R19) is positioned at Specified Input Level.
- Each level given in the diagram shows values when a 400Hz Specified Input Level is applied.

TA-1104

Fig. 5-14

# 6 EXPLODED VIEWS AND PARTS LIST

## EXPLODED VIEW - 1



Parts marked with *require longer delivery time than regular parts.

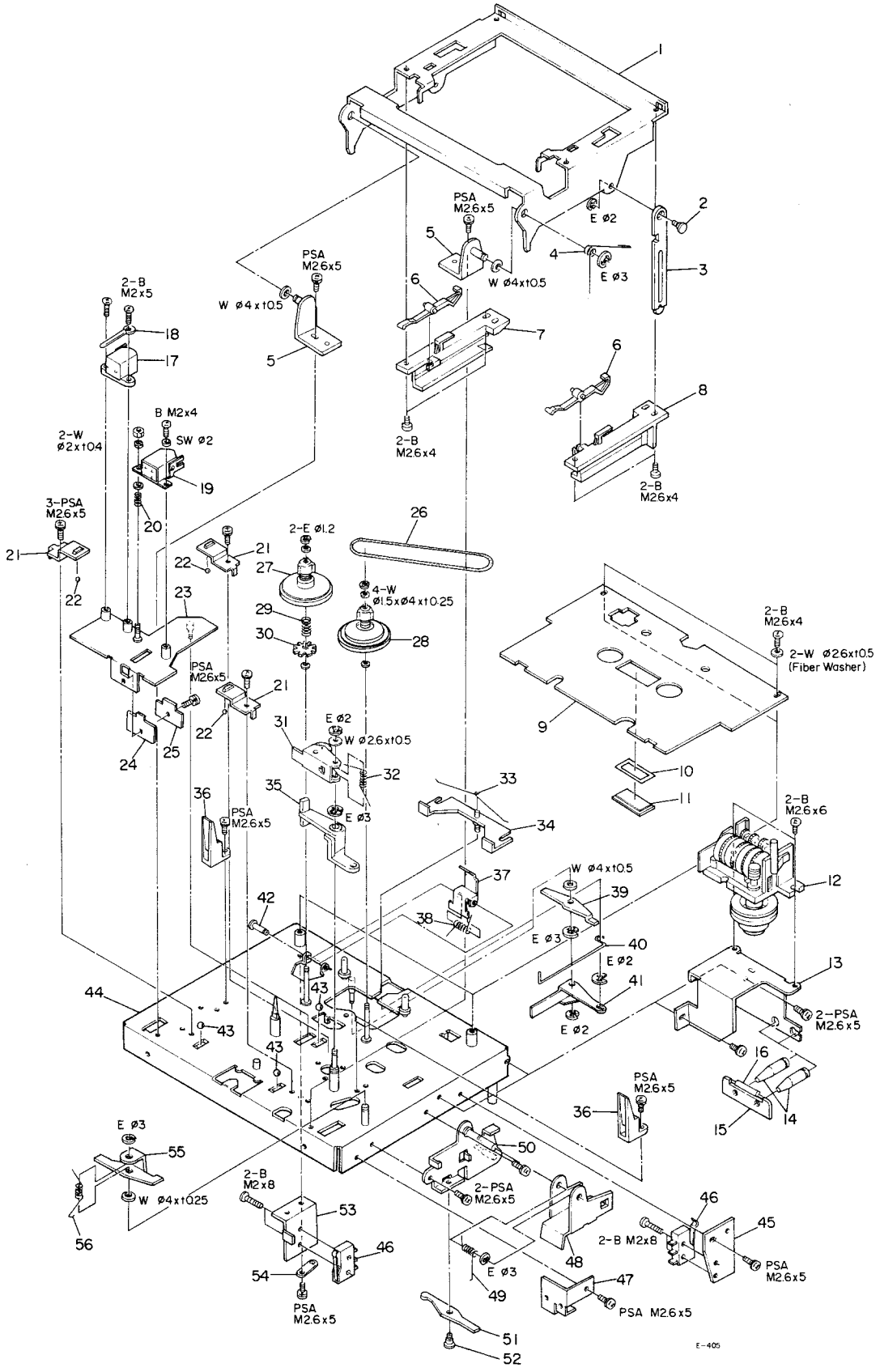
| REF. NO. | PARTS NO. | DESCRIPTION | REMARKS |
|---|---|---|---|
| 1 - 1 | *5551032100 | Cover, Top | |
| 1 - 2 | *5555570000 | Cushion, Top Cover | |
| 1 - 3 | *5533172000 | Sash, Side; B | |
| 1 - 4 | *5533171000 | Sash, Side; A | |
| 1 - 5 | *5531034001 | Escutcheon, Cassette | |
| 1 - 6 | *5555650000 | Plate, Switch Pressure | |
| 1 - 7 | *5138009000 | Key Unit | |
| 1 - 8 | *5122174000 | Connector, Socket; 12P | |
| 1 - 9 | *5533183002 | Button, Eject | |
| 1 -10 | *5524206000 | Spring, Switch | |
| 1 -11 | *5534717000 | Holder, Button | |
| 1 -12 | 5503187100 | Cover Assy, Cassette | |
| 1 -13 | 5502261000 | Panel Assy, Front; A | JAPAN |
| | 5502262000 | Panel Assy, Front; B | All except JAPAN |
| 1 -14 | 5504712000 | Knob Assy, TIMER | |
| 1 -15 | 5533120000 | Knob, Lever Switch | |
| 1 -16 | 5503190000 | Knob Assy, C | |
| 1 -17 | *5552383000 | Cover, Shield | LIMITED AREA |
| 1 -18 | *5502227000 | Case Assy, Wooden | LIMITED AREA |
| 1 -19 | *5555526000 | Washer | LIMITED AREA |

## INCLUDED ACCESSORIES

| REF. NO. | PARTS NO. | DESCRIPTION | REMARKS |
|---|---|---|---|
| | 5128065000 | Cord, Input-output Connection | |
| | 5101369000 | Information Supplement, Cassette | JAPAN |
| | 5101345000 | Information Supplement, Cassette | U.S.A. |
| | 5101495000 | Information Supplement, Cassette | All except JAPAN, U.S.A. |
| | 5101709000 | f-550RX Owner's Manual | JAPAN |
| | 5101710000 | A-550RX Owner's Manual | U.S.A. |
| | 5101711000 | A-550RX Owner's Manual | All except JAPAN, U.S.A. |

NOTE: The f-550RX is JAPAN domestic model of the A-550RX.

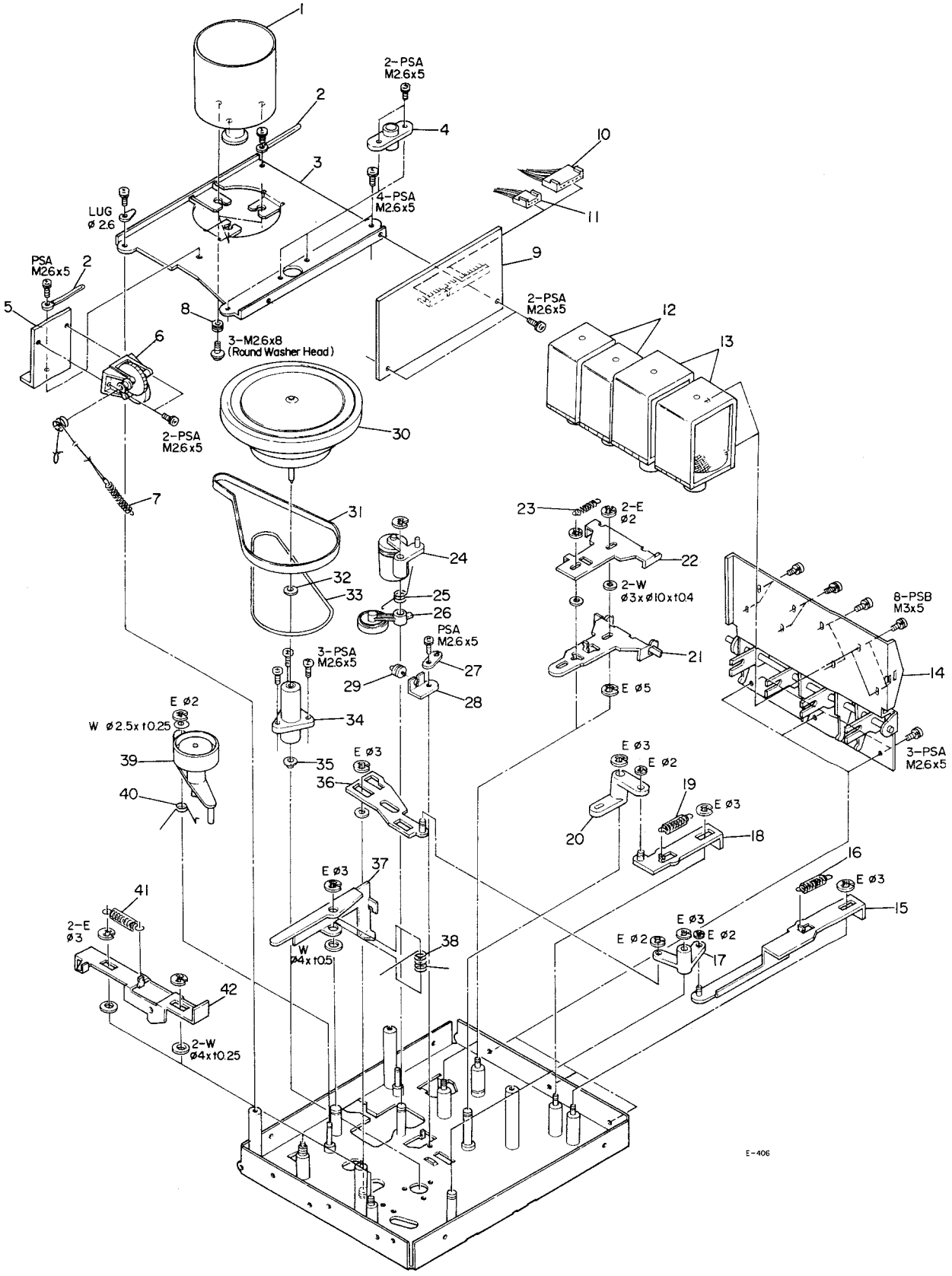
## EXPLODED VIEW - 2



Parts marked with *require longer delivery time than regular parts.

| REF. NO. | PARTS NO. | DESCRIPTION | REMARKS |
|---|---|---|---|
| 2 - 1 | *5553267100 | Holder, Cassette | |
| 2 - 2 | *5544958000 | Shaft, Lock Plate | |
| 2 - 3 | *5534612000 | Plate, Lock | |
| 2 - 4 | *5524202000 | Spring, Holder | |
| 2 - 5 | *5534615100 | Lever, Cassette Pressure | |
| 2 - 6 | 5534615000 | Spring, Cassette Pressure | |
| 2 - 7 | 5534614000 | Guide, Cassette; R | |
| 2 - 8 | 5534613000 | Guide, Cassette; L | |
| 2 - 9 | *5555554000 | Plate, Cassette Holder | |
| 2 - 10 | *5555088000 | Tape, Adhesive | |
| 2 - 11 | *5534443000 | Lens, Lamp | |
| 2 - 12 | 5504660001 | Counter Assy | |
| 2 - 13 | *5555535000 | Bracket, Counter Assy | |
| 2 - 14 | *5534448000 | Cushion, Rubber | |
| 2 - 15 | *5168549000 | PCB Assy, REED SWITCH | |
| | 5167549000 | PCB, REED SWITCH | Part of 2 - 15 |
| 2 - 16 | *5138006000 | Switch, Reed | Part of 2 - 15 |
| 2 - 17 | 5569613000 | Head, Erase | |
| 2 - 18 | *5581062000 | Clamper, Cord; E | |
| 2 - 19 | 5569616000 | Head, REC/PLAY | |
| 2 - 20 | 5520002100 | Spring, REC/PLAY Head | |
| 2 - 21 | *5555533000 | Pressure Plate, Head Base Plate | |
| 2 - 22 | *5540055000 | Steel Ball, $\phi$2 | |
| 2 - 23 | *5504656000 | Plate Assy, Head Base | |
| 2 - 24 | *5555530000 | Plate, Head Base; A | |
| 2 - 25 | *5555531000 | Plate, Head Base; B | |
| 2 - 26 | 5534617000 | Belt, Counter | |
| 2 - 27 | 5504465000 | Reel Table Assy, Supply | |
| 2 - 28 | 5504464000 | Reel Table Assy, Take-up | |
| 2 - 29 | *5800016100 | Spring, Friction Plate | |
| 2 - 30 | *5534304000 | Plate, Friction | |
| 2 - 31 | 5504828001 | Arm Assy, Pinch Roller | |
| 2 - 32 | *5524193000 | Spring, Pinch Roller | |
| 2 - 33 | *5520333000 | Spring, Brake | |
| 2 - 34 | *5504669001 | Plate Assy, Brake | |
| 2 - 35 | *5534606000 | Arm Assy, Pinch Roller Actuating | |
| 2 - 36 | *5534444200 | Guide, Cassette | |
| 2 - 37 | *5555544000 | Lever, Safety; D | |
| 2 - 38 | *5524197000 | Spring, Safety Lever | |
| 2 - 39 | *5555546000 | Arm, Pressure; B | |
| 2 - 40 | *5524196000 | Rod, Brake Actuating; A | |
| 2 - 41 | *5555541000 | Arm, Brake Actuating | |
| 2 - 42 | *5544656000 | Shaft, Safety Lever | |
| 2 - 43 | *5540056000 | Steel Ball, $\phi$3 | |
| 2 - 44 | *5502206100 | Chassis, Mechanism | |
| 2 - 45 | *5555548000 | Bracket, Switch; B | |
| 2 - 46 | 5130003000 | Switch, Micro | |
| 2 - 47 | *5555556000 | Angle, Spring | |
| 2 - 48 | *5555551000 | Arm, Eject | |
| 2 - 49 | *5524201000 | Spring, Eject Arm | |
| 2 - 50 | *5504671000 | Holder Assy, Switch | |
| 2 - 51 | *5555552000 | Arm, Eject | |
| 2 - 52 | *5581055000 | Screw, Shoulder; D | |
| 2 - 53 | *5555543000 | Bracket, Switch; A | |
| 2 - 54 | *5555197000 | Clamper, Cord | |
| 2 - 55 | *5555549000 | Arm, Eject Preventing | |
| 2 - 56 | *5524200000 | Spring, Preventing Arm | |

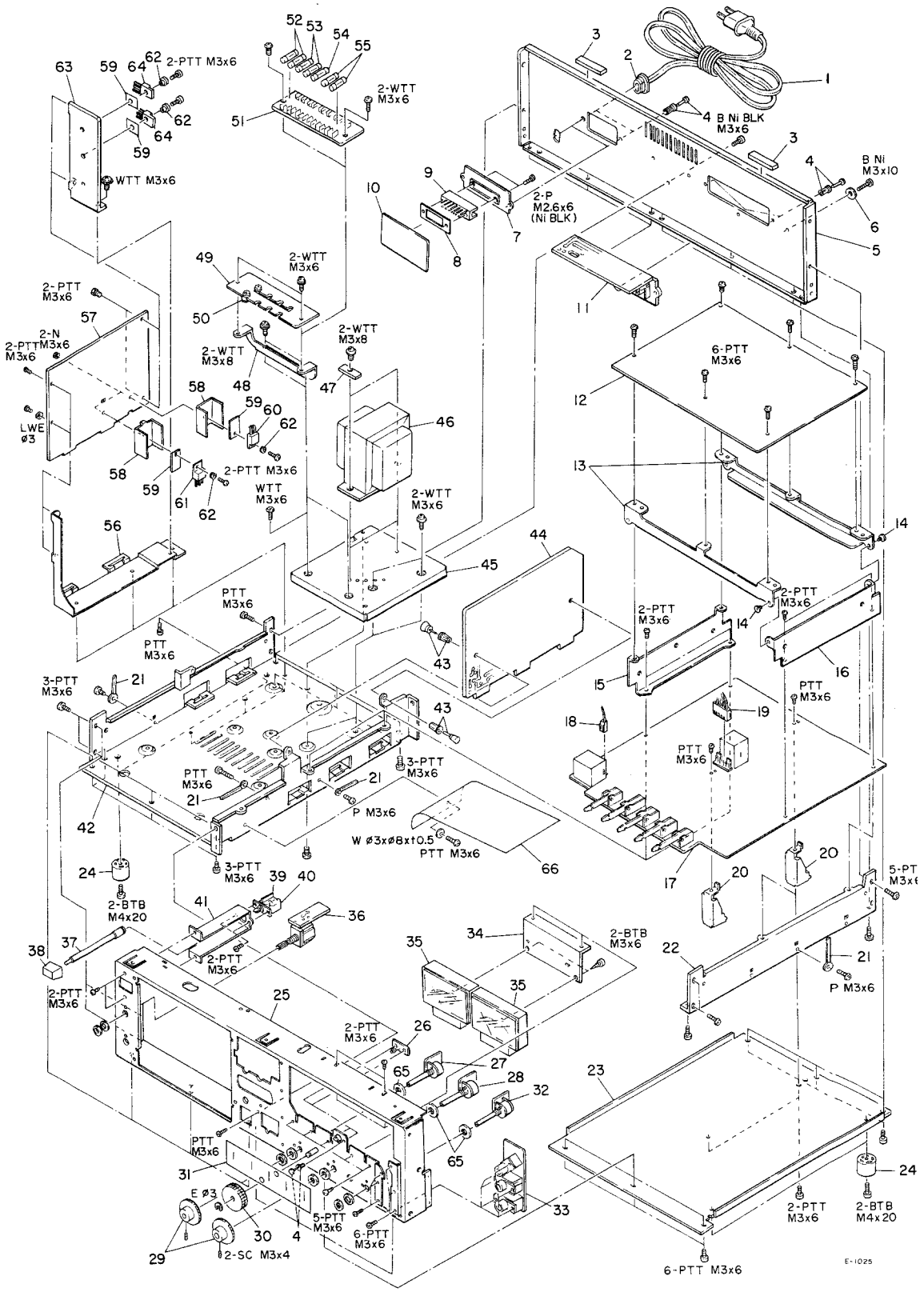
## EXPLODED VIEW - 3



Parts marked with *require longer delivery time than regular parts.

| REF. NO. | PARTS NO. | DESCRIPTION | REMARKS |
|---|---|---|---|
| 3 - 1 | 7105132000 | Motor Assy, DC | |
| 3 - 2 | *5581038000 | Clamper, Cord; A | |
| 3 - 3 | *5555534000 | Plate, DC Motor | |
| 3 - 4 | *5534277000 | Bearing, Flywheel | |
| 3 - 5 | *5555555000 | Bracket, Damper | |
| 3 - 6 | *5504673000 | Holder Assy, Damper; C | |
| 3 - 7 | *5524203000 | Spring, Damper | |
| 3 - 8 | *5534537000 | Cushion, Rubber | |
| 3 - 9 | *5168802100 | PCB Assy, JOINT | |
| 3 - 10 | *5122174000 | Connector, Socket; 12P | |
| 3 - 11 | *5122167000 | Connector, Socket; 5P | |
| 3 - 12 | 5163040000 | Solenoid, B | |
| 3 - 13 | 5163039100 | Solenoid, A | |
| 3 - 14 | *5503182000 | Bracket Assy, Solenoid | |
| 3 - 15 | *5504666000 | Lever Assy, Pause Actuating | |
| 3 - 16 | *5524195000 | Spring, Pause Actuating | |
| 3 - 17 | *5534611000 | Arm, Pause Actuating | |
| 3 - 18 | *5504665000 | Lever Assy, Actuating | |
| 3 - 19 | *5524213000 | Spring, Actuating; A | |
| 3 - 20 | *5534610000 | Arm, Head Base Plate Actuating | |
| 3 - 21 | *5504668000 | Lever Assy, FF; A | |
| 3 - 22 | *5555540000 | Plate, Brake Actuating; B | |
| 3 - 23 | *5520332000 | Spring, Lever; B | |
| 3 - 24 | 5504662000 | Arm Assy, FF; C | |
| 3 - 25 | *5524194000 | Spring, FF Arm; B | |
| 3 - 26 | 5504663000 | Arm Assy, FF; D | |
| 3 - 27 | *5555197000 | Clamper, Cord | |
| 3 - 28 | *5555542000 | Bracket, Lamp; A | |
| 3 - 29 | 5142089000 | Lamp | |
| 3 - 30 | 5504659000 | Flywheel Assy, Capstan | |
| 3 - 31 | 5534446000 | Belt, Capstan Drive | |
| 3 - 32 | *5550031000 | Washer, Thrust | |
| 3 - 33 | 5534416000 | Belt, Fast Wind | |
| 3 - 34 | 5504091000 | Housing Assy, Capstan | |
| 3 - 35 | *5534130000 | Washer, Oil Retaining | |
| 3 - 36 | *5504667000 | Lever Assy, Pause | |
| 3 - 37 | *5555545000 | Arm, Pressure; A | |
| 3 - 38 | *5524198000 | Spring, Pressure Arm | |
| 3 - 39 | 5504466100 | Pulley Assy, Tension | |
| 3 - 40 | 5520330000 | Spring, Tension | |
| 3 - 41 | *5524199000 | Spring, Eject | |
| 3 - 42 | *5504670000 | Lever Assy, Eject | |

## EXPLODED VIEW - 4



Parts marked with *require longer delivery time than regular parts.

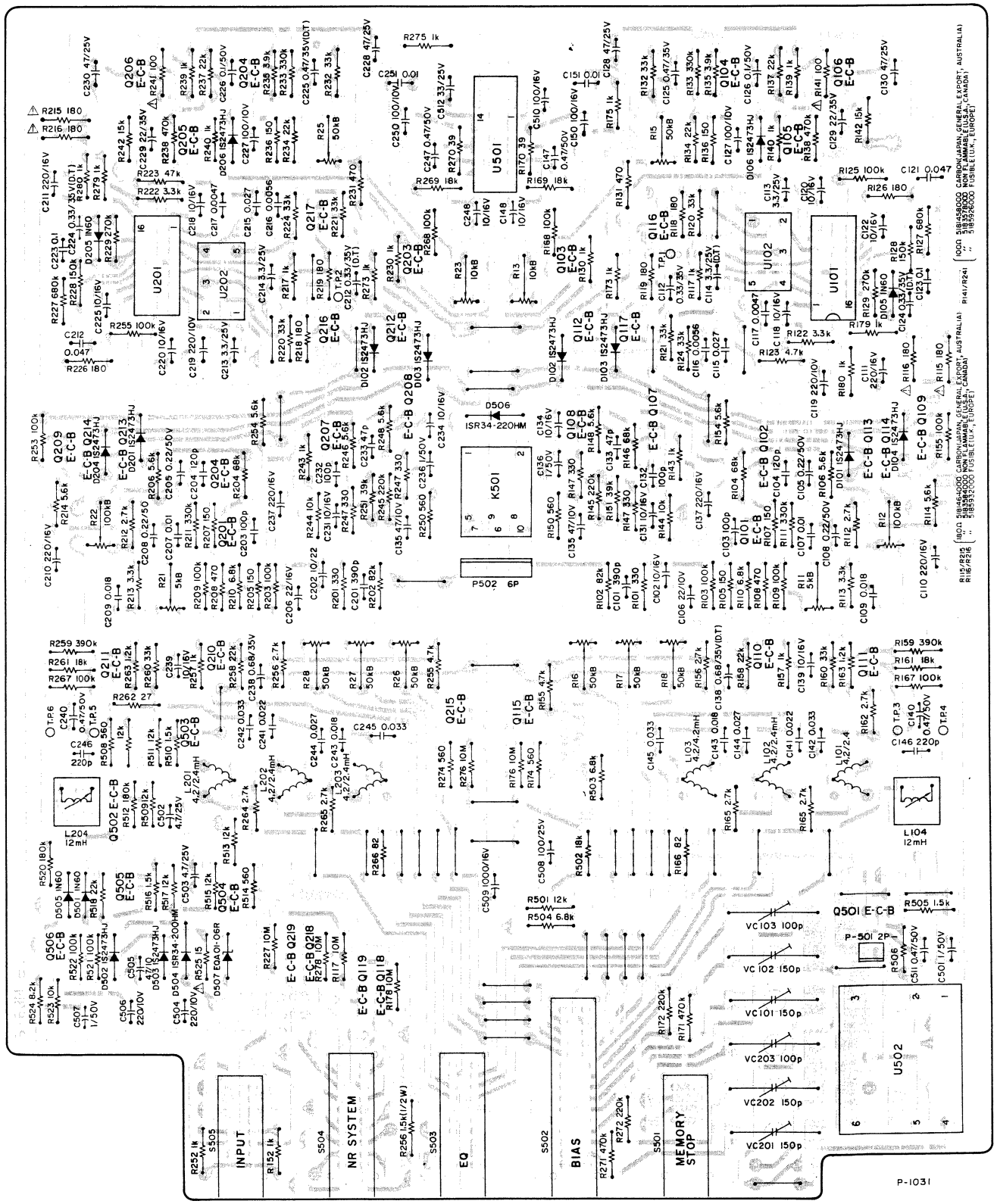
| REF. NO. | PARTS NO. | DESCRIPTION | REMARKS |
|---|---|---|---|
| 4 - 1 | ⚠ 5128034000 | Cord, AC Power | JAPAN, GENERAL EXPORT |
| | ⚠ 5128075000 | Cord, AC Power | U.S.A., CANADA |
| | ⚠*5128017000 | Cord, AC Power | EUROPE |
| | ⚠*5128036000 | Cord, AC Power | U.K. |
| | ⚠*5128035000 | Cord, AC Power | AUSTRALIA |
| 4 - 2 | *5534661000 | Strain Relief, AC Power Cord | U.K. |
| | *5534660000 | Strain Relief, AC Power Cord | All except U.K., AUSTRALIA |
| 4 - 3 | *5555570000 | Cushion, Top Cover; B | |
| 4 - 4 | *5534118000 | Push Rivet | |
| 4 - 5 | *5552339000 | Panel, Rear | |
| 4 - 6 | *5555063000 | Washer GND | |
| 4 - 7 | *5534624000 | Escutcheon, REMOTE | |
| 4 - 8 | *5555566000 | Plate, Connector | |
| 4 - 9 | *5122336000 | Connector, Socket; 12P | |
| 4 - 10 | *5168801000 | PCB Assy, REMOTE CONTROL | |
| | *5167801000 | PCB, REMOTE CONTROL | Part of 4 - 10 |
| | *5181484000 | Carbon Res., 1.2 k ohm ¼W 5% | Part of 4 - 10 |
| 4 - 11 | *5158151000 | PCB Assy, IN/OUTPUT (2) | All except EUROPE |
| | *5158150000 | PCB Assy, IN/OUTPUT (1) | EUROPE |
| | *5157150000 | Terminal Assy, In/Output; w/DIN | Part of 4 - 11, EUROPE |
| | *5181534000 | Carbon Res., 68 k ohm ¼W 5% | Part of 4 - 11 |
| | 5126039000 | Terminal Assy, In/Output | Part of 4 - 11 |
| | *5181522000 | Carbon Res., 47 k ohm ¼W 5% | Part of 4 - 11, EUROPE |
| 4 - 12 | *5158094000 | PCB Assy, DBX | |
| 4 - 13 | *5555881000 | Bracket, PCB; B | |
| 4 - 14 | *5581056000 | Screw Shoulder; A | |
| 4 - 15 | *5555882000 | Bracket, PCB; L | |
| 4 - 16 | *5555883001 | Bracket, PCB; R | |
| 4 - 17 | *5158088000 | PCB Assy, REC/PLAY AMPL. | |
| 4 - 18 | *5122164000 | Connector, Socket; 2P | |
| 4 - 19 | *5122168000 | Connector, Socket; 6P | |
| 4 - 20 | *5555565200 | Bracket, PCB | |
| 4 - 21 | *5581038000 | Clamper, Cord; A | |
| 4 - 22 | *5551031200 | Chassis, Side | |
| 4 - 23 | *5552340100 | Chassis, Bottom | |
| 4 - 24 | *5504676000 | Foot | |
| 4 - 25 | *5503233000 | Chasis, Front | |
| 4 - 26 | *5158101000 | PCB Assy, LED | |
| | *5157101000 | PCB, LED | Part of 4 - 26 |
| | 5143314000 | LED (RED) | Part of 4 - 26 |
| 4 - 27 | *5158156000 | PCB Assy, INPUT VAR. RES.; (1) | |
| | *5157156000 | PCB, Input VAR. RES.; 119 | Part of 4 - 27 |
| | *5150228000 | Var. Res., 100 k ohm - A | Part of 4 - 27 |
| 4 - 28 | *5158157000 | PCB Assy, INPUT VAR. RES.; (2) | |
| | *5157157000 | PCB, Input VAR. RES.; 120 | Part of 4 - 28 |
| | *5150228000 | Var. Res., 100 k ohm - A | Part of 4 - 28 |
| 4 - 29 | *5504677000 | Gear Assy, A | |
| 4 - 30 | *5504678000 | Gear Assy, Friction | |
| 4 - 31 | *5555885000 | Mask, Switch | |
| 4 - 32 | *5158089000 | PCB Assy, OUTPUT VAR. RES. | |
| | *5157089000 | PCB, OUTPUT VAR. RES. | Part of 4 - 32 |
| | 5150255000 | Var. Res., 20 k ohm - A x 2 | Part of 4 - 32 |
| 4 - 33 | *5158152000 | PCB Assy, JACK; 105 | All except EUROPE |
| | *5158090000 | PCB Assy, JACK; 104 | EUROPE |
| | *5157152000 | PCB, JACK; 105 | Part of 4 - 33 |
| | *5157090000 | PCB, JACK; 104 | Part of 4 - 33, EUROPE |
| | *5124028100 | Jack, MIC; L | Part of 4 - 33, EUROPE |
| | 5124023000 | Jack, MIC; R | Part of 4 - 33 |
| | 5124022000 | Jack, PHONES | Part of 4 - 33 |
| | *5183096000 | Carbon Res., 10 k ohm ¼W 5% | Part of 4 - 33 |
| 4 - 34 | *5555562000 | Bracket, Meter | |
| 4 - 35 | 5165059000 | Meter, Peak | |

(Continued on page 34)

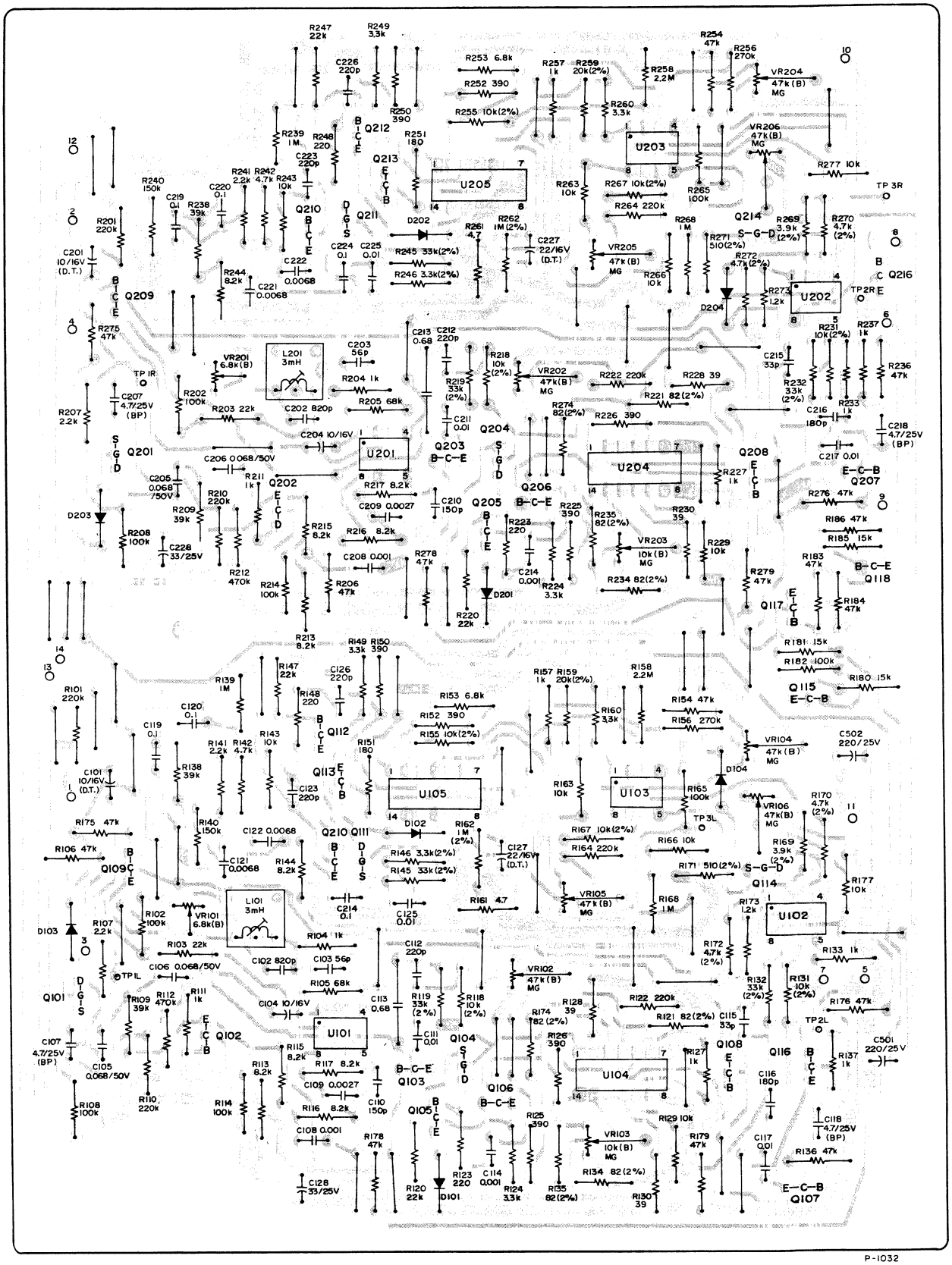
# 7 PC BOARDS AND PARTS LIST

**PC Boards shown viewed from foil side.**

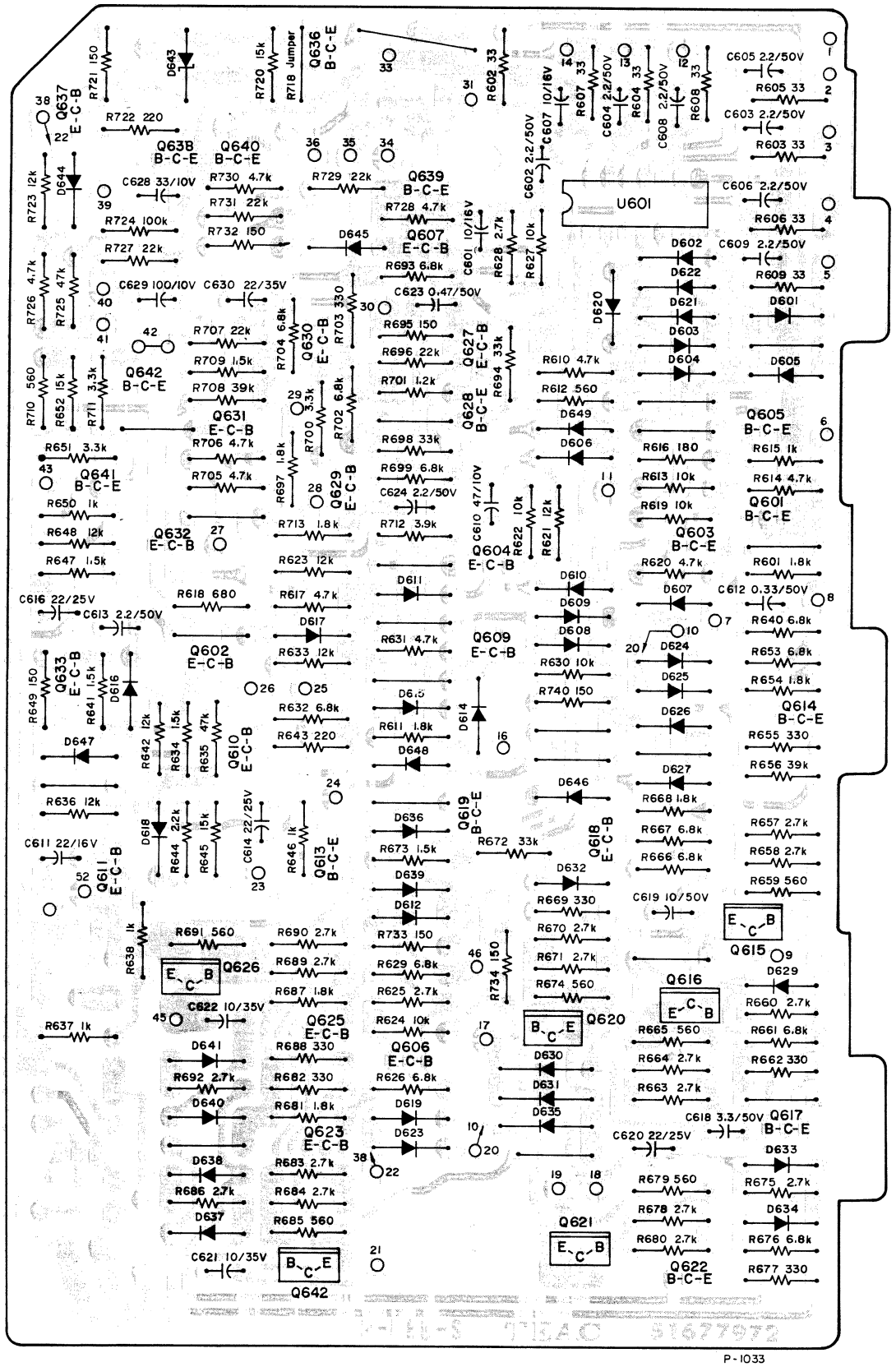
## REC AND PLAY PCB ASSY



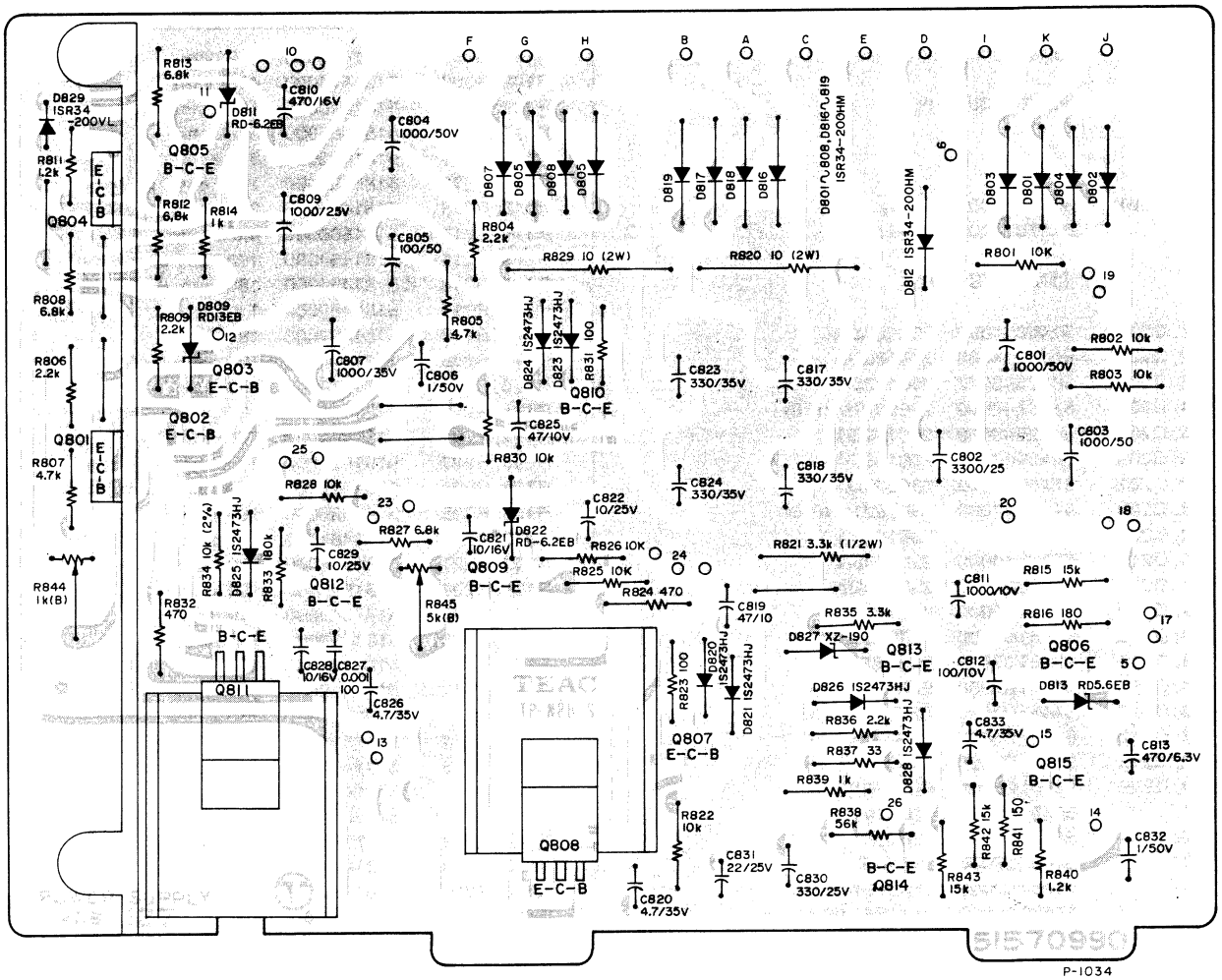
## DBX PCB ASSY



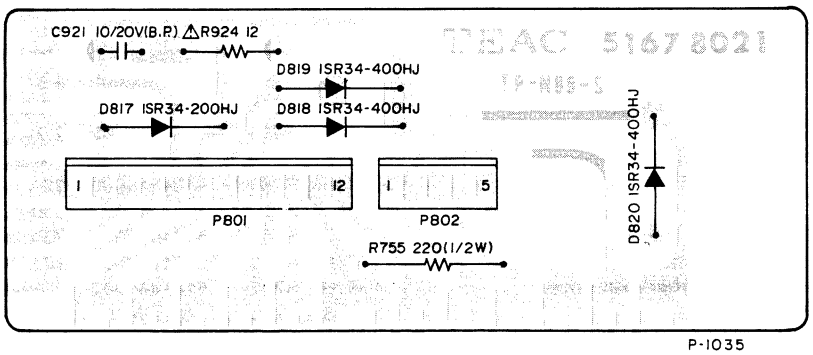
## CONTROL PCB ASSY



## POWER SUPPLY PCB ASSY




## JOINT PCB ASSY



## REC AND PLAY PCB ASSY

| REF. NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| | 5158088002 | PCB Ass'y |
| | 5157088000 | PCB |
| | **ICs** | |
| U101, U201 | 5042728000 | Dolby |
| U501 | 5147074000 | Head phone |
| | **TRANSISTORS** | |
| Q101, Q201 | 5145034000 | 2SC900UA |
| Q102, Q202 | 5145034000 | 2SC900UA |
| Q103, Q203 | 5042549000 | 2SC1636-1 |
| Q104, Q204 | 5145122000 | 2SC2021LNF(S) |
| Q105, Q205 | 5042549000 | 2SC1636-1 |
| Q106, Q206 | 5042549000 | 2SC1636-1 |
| Q107, Q207 | 5145034000 | 2SC900UA |
| Q108, Q208 | 5145122000 | 2SC2021LNF(S) |
| Q109, Q209 | 5042549000 | 2SC1636-1 |
| Q110, Q210 | 5042549000 | 2SC1636-1 |
| Q111, Q211 | 5145034000 | 2SC900UA |
| Q112, Q212 | 5042549000 | 2SC1636-1 |
| Q113, Q213 | 5145102000 | FET, 2SK68AL |
| Q114, Q214 | 5145102000 | FET, 2SK68AL |
| Q115, Q215 | 5145102000 | FET, 2SK68AL |
| Q116, Q216 | 5145102000 | FET, 2SK68AL |
| Q117, Q217 | 5145102000 | FET, 2SK68AL |
| Q118, Q218 | 5145102000 | FET, 2SK68AL |
| Q119, Q219 | 5145102000 | FET, 2SK68AL |
| Q501 | 5145098000 | 2SC1741Q |
| Q502 | 5145122000 | 2SC2021LNF(S) |
| Q503 | 5145123000 | 2SA786LNF(R) |
| Q504 | 5145122000 | 2SC2021LNF(S) |
| Q505 | 5145123000 | 2SA786LNF(R) |
| Q506 | 5145123000 | 2SA786LNF(R) |
| | **DIODES** | |
| D101, D201 | 5143118000 | 1S2473HJ |
| D102, D202 | 5143118000 | 1S2473HJ |
| D103, D203 | 5143118000 | 1S2473HJ |
| D104, D204 | 5143118000 | 1S2473HJ |
| D105, D205 | 5142213000 | 1N60 |
| D106, D206 | 5143118000 | 1S2473HJ |
| D501 | 5042213000 | 1N60 |
| D502 | 5143118000 | 1S2473HJ |
| D503 | 5143118000 | 1S2473HJ |
| D504 | 5143113000 | 1SR34-200HM |
| D505 | 5042213000 | 1N60 |
| D506 | 5143113000 | 1SR34-200HM |
| D507 | 5143153000 | Zener, EQA01-06R |
| | **RESISTORS** | |
| | **All resistors are rated ±5% tolerance, ¼ watt carbon resistors unless otherwise noted.** | |
| R101, R201 | 5181470000 | 330 ohm |
| R102, R202 | 5181528000 | 82 k ohm |
| R103, R203 | 5181530000 | 100 k ohm |
| R104, R204 | 5181526000 | 68 k ohm |
| R105, R205 | 5181462000 | 150 ohm |
| R106, R206 | 5181500000 | 5.6 k ohm |

| REF. NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| R107, R207 | 5181462000 | 150 ohm |
| R108, R208 | 5181474000 | 470 ohm |
| R109, R209 | 5181530000 | 100 k ohm |
| R110, R210 | 5181506000 | 6.8 k ohm |
| R111, R211 | 5181542000 | 330 k ohm |
| R112, R212 | 5181492000 | 2.7 k ohm |
| R113, R213 | 5181494000 | 3.3 k ohm |
| R114, R214 | 5181500000 | 5.6 k ohm |
| R115, R215 | ⚠5181464000 | 180 ohm |
| R116, R216 | ⚠5181464000 | 180 ohm |
| R117, R217 | 5181482000 | 1 k ohm |
| R118, R218 | 5181464000 | 180 ohm |
| R119, R219 | 5181464000 | 180 ohm |
| R120, R220 | 5181518000 | 33 k ohm |
| R121, R221 | 5181518000 | 33 k ohm |
| R122, R222 | 5181494000 | 3.3 k ohm |
| R123, R223 | 5181522000 | 47 k ohm |
| R124, R224 | 5181518000 | 33 k ohm |
| R125, R225 | 5181530000 | 100 k ohm |
| R126, R226 | 5181464000 | 180 ohm |
| R127, R227 | 5181550000 | 680 k ohm |
| R128, R228 | 5181534000 | 150 k ohm |
| R129, R229 | 5181540000 | 270 k ohm |
| R130, R230 | 5181482000 | 1 k ohm |
| R131, R231 | 5181474000 | 470 ohm |
| R132, R232 | 5181518000 | 33 k ohm |
| R133, R233 | 5181542000 | 330 k ohm |
| R134, R234 | 5181514000 | 22 k ohm |
| R135, R235 | 5181496000 | 3.9 k ohm |
| R136, R236 | 5181462000 | 150 ohm |
| R137, R237 | 5181514000 | 22 k ohm |
| R138, R238 | 5181546000 | 470 k ohm |
| R139, R239 | 5181482000 | 1 k ohm |
| R140, R240 | 5181482000 | 1 k ohm |
| R141, R241 | ⚠5181458000 | 100 ohm |
| R142, R242 | 5181510000 | 15 k ohm |
| R143, R243 | 5181482000 | 1 k ohm |
| R144, R244 | 5181506000 | 10 k ohm |
| R145, R245 | 5181538000 | 220 k ohm |
| R146, R246 | 5181526000 | 68 k ohm |
| R147, R247 | 5181470000 | 330 ohm |
| R148, R248 | 5181500000 | 5.6 k ohm |
| R149, R249 | 5181470000 | 330 ohm |
| R150, R250 | 5181476000 | 560 ohm |
| R151, R251 | 5181520000 | 39 k ohm |
| R152, R252 | 5181482000 | 1 k ohm |
| R153, R253 | 5181530000 | 100 k ohm |
| R154, R254 | 5181500000 | 5.6 k ohm |
| R155, R255 | 5181498000 | 4.7 k ohm |
| R156, R256 | 5181492000 | 2.7 k ohm |
| R157, R257 | 5181482000 | 1 k ohm |
| R158, R258 | 5181514000 | 22 k ohm |
| R159, R259 | 5181544000 | 390 k ohm |
| R160, R260 | 5181518000 | 33 k ohm |
| R161, R261 | 5181512000 | 18 k ohm |
| R162, R262 | 5181444000 | 27 ohm |
| R163, R263 | 5181484000 | 1.2 k ohm |
| R164, R264 | 5181492000 | 2.7 k ohm |
| R165, R265 | 5181492000 | 2.7 k ohm |
| R166, R266 | 5181456000 | 82 ohm |
| R167, R267 | 5181530000 | 100 k ohm |
| R168, R268 | 5181530000 | 100 k ohm |
| R169, R269 | 5181512000 | 18 k ohm |

| REF. NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| R170, R270 | 5181448000 | 39 ohm |
| R171, R271 | 5181546000 | 470 k ohm |
| R172, R272 | 5181538000 | 220 k ohm |
| R173, R273 | 5181482000 | 1 k ohm |
| R174, R274 | 5181476000 | 560 ohm |
| R175, R275 | 5181482000 | 1 k ohm |
| R176, R276 | 5181568000 | 10 M ohm |
| R177, R277 | 5181568000 | 10 M ohm |
| R178, R278 | 5181568000 | 10 M ohm |
| R179, R279 | 5181482000 | 1 k ohm |
| R180, R280 | 5181482000 | 1 k ohm |
| R501 | 5181508000 | 12 k ohm |
| R502 | 5181512000 | 18 k ohm |
| R503 | 5181506000 | 6.8 k ohm |
| R504 | 5181506000 | 6.8 k ohm |
| R505 | 5181486000 | 1.5 k ohm |
| R506 | 5181410000 | 1 ohm |
| R507 | 5181508000 | 12 k ohm |
| R508 | 5181476000 | 560 ohm |
| R509 | 5181508000 | 12 k ohm |
| R510 | 5181486000 | 1.5 k ohm |
| R511 | 5181508000 | 12 k ohm |
| R512 | 5181536000 | 180 k ohm |
| R513 | 5181508000 | 12 k ohm |
| R514 | 5181476000 | 560 ohm |
| R515 | 5181508000 | 12 k ohm |
| R516 | 5181486000 | 1.5 k ohm |
| R517 | 5181508000 | 12 k ohm |
| R518 | 5181514000 | 22 k ohm |
| R520 | 5181536000 | 180 k ohm |
| R521 | 5181530000 | 100 k ohm |
| R522 | 5181530000 | 100 k ohm |
| R523 | 5181496000 | 10 k ohm |
| R524 | 5181504000 | 8.2 k ohm |
| R525 | ⚠5181828000 | 15 ohm Non Flammable |
| R526 | 5180086000 | 1.5 k ohm ½W |

## CAPACITORS

| | | | | |
|---|---|---|---|---|
| C101, R201 | 5172219000 | Ceramic | 390 pfd | 50V |
| C102, C202 | 5173571800 | Elec. | 10 mfd 16V | 20% (MD) |
| C103, C203 | 5172212000 | Ceramic | 100 pfd | 50V |
| C104, C204 | 5172213000 | Ceramic | 120 pfd | 50V |
| C105, C205 | 5173552800 | Elec. | 0.22 mfd 50V | 20% (MD) |
| C106, C206 | 5173017800 | Elec. | 22 mfd | 10V (USM) |
| C107, C207 | 5171856800 | Mylar | 0.01 mfd | 100V 5% |
| C108, C208 | 5173552800 | Elec. | 0.22 mfd | 50V (MD) |
| C109, C209 | 5171862800 | Mylar | 0.018 mfd | 100V 5% |
| C110, C210 | 5173054800 | Elec. | 220 mfd | 16V (USM) |
| C111, C211 | 5173054800 | Elec. | 220 mfd | 16V (USM) |
| C112, C212 | 5170300100 | Dip. Tant. | 0.33 mfd | 35V 10% |
| C113, C213 | 5173561800 | Elec. | 3.3 mfd | 25V (MD) |
| C114, C214 | 5173561800 | Elec. | 3.3 mfd | 25V (MD) |
| C115, C215 | 5171866800 | Mylar | 0.027 mfd | 100V 5% |
| C116, C216 | 5170370800 | Mylar | 0.0056 mfd | 100V 5% |
| C117, C217 | 5170368800 | Mylar | 0.0047 mfd | 100V 5% |
| C118, C218 | 5173010800 | Elec. | 10 mfd | 16V (USM) |
| C119, C219 | 5173053800 | Elec. | 220 mfd | 10V (USM) |
| C120, C220 | 5173010800 | Elec. | 10 mfd | 16V (USM) |
| C121, C221 | 5171872800 | Mylar | 0.047 mfd | 100V 5% |
| C122, C222 | 5173010800 | Elec. | 10 mfd | 16V (USM) |
| C123, C223 | 5171878800 | Mylar | 0.1 mfd | 100V 5% |
| C124, C224 | 5170300100 | Dip. Tant. | 0.33 mfd | 35V 10% |

| REF. NO. | PARTS NO. | DESCRIPTION | | |
|---|---|---|---|---|
| C125, C225 | 5054668100 | Dip. Tant. | 0.47 mfd | 35V |
| C126, C226 | 5173550800 | Elec. | 0.1 mfd | 50V (MD) |
| C127, C227 | 5173044800 | Elec. | 100 mfd | 10V (USM) |
| C128, C228 | 5173037800 | Elec. | 47 mfd | 25V (USM) |
| C129, C229 | 5173020800 | Elec. | 22 mfd | 35V (USM) |
| C130, C230 | 5173037800 | Elec. | 47 mfd | 25V (USM) |
| C131, C231 | 5173010800 | Elec. | 10 mfd | 16V (USM) |
| C132, C232 | 5172212000 | Ceramic | 100 pfd | 50V |
| C133, C233 | 5172208000 | Ceramic | 47 pfd | 50V |
| C134, C234 | 5173010800 | Elec. | 10 mfd | 16V (USM) |
| C135, C235 | 5173035800 | Elec. | 47 mfd | 10V (USM) |
| C136, C236 | 5173556800 | Elec. | 1 mfd | 50V (MD) |
| C137, C237 | 5173054800 | Elec. | 220 mfd | 16V (USM) |
| C138, C238 | 5054669100 | Dip. Tant. | 0.68 mfd | 35V 10% |
| C139, C239 | 5173010800 | Elec. | 10 mfd | 16V (USM) |
| C140, C240 | 5173554800 | Elec. | 0.47 mfd | 50V (MD) |
| C141, C241 | 5171862800 | Mylar | 0.018 mfd | 100V 5% |
| C142, C242 | 5171866800 | Mylar | 0.027 mfd | 100V 5% |
| C143, C243 | 5171864800 | Mylar | 0.022 mfd | 100V 5% |
| C144, C244 | 5171868800 | Mylar | 0.033 mfd | 100V 5% |
| C145, C245 | 5171868800 | Mylar | 0.033 mfd | 100V 5% |
| C146, C246 | 5054745000 | Dip. Mica | 220 pfd | 50V |
| C147, C247 | 5173554800 | Elec. | 0.47 mfd | 50V (MD) |
| C148, C248 | 5173010800 | Elec. | 10 mfd | 16V (USM) |
| C150, C250 | 5173045800 | Elec. | 100 mfd | 16V (USM) |
| C151, C251 | 5171856800 | Mylar | 0.01 mfd | 100V 5% |
| C501 | 5172992800 | Elec. | 1 mfd | 50V (USM) |
| C502 | 5173564800 | Elec. | 4.7 mfd | 25V (MD) |
| C503 | 5173564800 | Elec. | 4.7 mfd | 25V (USM) |
| C504 | 5173054800 | Elec. | 220 mfd | 16V (USM) |
| C505 | 5173035800 | Elec. | 47 mfd | 10V (USM) |
| C506 | 5173053800 | Elec. | 220 mfd | 10V (USM) |
| C507 | 5172992800 | Elec. | 1 mfd | 50V (USM) |
| C508 | 5173046800 | Elec. | 100 mfd | 25V (USM) |
| C509 | 5173081800 | Elec. | 1000 mfd | 16V (USM) |
| C511 | 5173554800 | Elec. | 0.47 mfd | 50V (MD) |
| C512 | 5173028800 | Elec. | 33 mfd | 25V (USM) |

## VARIABLE RESISTORS

| | | |
|---|---|---|
| R11, R21 | 5150097000 | Semi-fixed, 5 k ohm - B |
| R12, R22 | 5150096000 | Semi-fixed, 100 k ohm - B |
| R13, R23 | 5150092000 | Semi-fixed, 10 k ohm - B |
| R15, R25 | 5150094000 | Semi-fixed, 50 k ohm - B |
| R16, R26 | 5150094000 | Semi-fixed, 50 k ohm - B |
| R17, R27 | 5150094000 | Semi-fixed, 50 k ohm - B |
| R18, R28 | 5150094000 | Semi-fixed, 50 k ohm - B |

## TRIMMER CAPACITORS

| | | |
|---|---|---|
| VC101, VC102 | 5170017000 | 150 pfd MAX |
| VC102, VC202 | 5170017000 | 150 pfd MAX |
| VC103, VC203 | 5170017000 | 150 pfd MAX |

## MISCELLANEOUS

| | | |
|---|---|---|
| U102, U202 | 5160060000 | MPx Filter Unit |
| L101, L201 | 5056637000 | Coil, Rec EQ; 4.2/24 mH |
| L102, L202 | 5056037000 | Coil, Rec EQ; 4.2/24 mH |
| L103, L203 | 5056037000 | Coil, Rec EQ; 4.2/24 mH |
| L104, L204 | 5056655000 | Coil, Trap; 12 mH |
| S501, | 5132037000 | Switch, Lever; DPDT |
| S502 | 5132038000 | Switch, Lever; 6P3T |
| S503 | 5132034000 | Switch, Lever; 4P3T |

| REF. NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| S504 | 5132640000 | Switch, Lever; 4P3T |
| S505 | 5132039000 | Switch, Lever, 4PDT |
| U502 | 5040101000 | Bias Oscillator Unit, 100 k Hz |
| K501 | 5061142000 | Relay, DPDT |
| P501 | 5122126000 | Connector, Plug; 2P |
| P502 | 5122130000 | Connector, Plug; 6P |

## DBX PCB ASSY

| REF. NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| | 5158094000 | PCB Assy |
| | 5157094000 | PCB |
| | **ICs** | |
| U101, U201 | 5147024000 | 4558DF |
| U102, U202 | 5147024000 | 4558DF |
| U103, U203 | 5147024000 | 4558DF |
| U104, U204 | 5147020000 | BA651 |
| U105, U205 | 5147021100 | BA652 |
| | **TRANSISTORS** | |
| Q101, Q202 | 5145103000 | FET, 2SK68AM |
| Q102, Q202 | 5042495000 | 2SC1222E |
| Q103, Q203 | 5042549000 | 2SC1636-1 |
| Q104, Q204 | 5042548000 | FET, 2SK30A(0) |
| Q105, Q205 | 5042495000 | 2SC1222E |
| Q106, Q206 | 5145038000 | 2SA750E |
| Q107, Q207 | 5042549000 | 2SC1636-1 |
| Q108, Q208 | 5042549000 | 2SC1636-1 |
| Q109, Q209 | 5042549000 | 2SC1636-1 |
| Q110, Q210 | 5042495000 | 2SC1222E |
| Q111, Q211 | 5042548000 | FET, 2SK30A(0) |
| Q112, Q212 | 5042495000 | 2SC1222E |
| Q113, Q213 | 5145038000 | 2SA750E |
| Q114, Q214 | 5145103000 | FET, 2SK68AM |
| Q115 | 5145092000 | 2SC1740LN(S) |
| Q116, Q216 | 5042549000 | 2SC1636-1 |
| Q117 | 5145038000 | 2SA750E |
| Q118 | 5145092000 | 2SC1740LN(S) |
| | **DIODES** | |
| D101, D201 | 5143118000 | 1S2473HJ |
| D102, D202 | 5143118000 | 1S2473HJ |
| D103, D203 | 5143118000 | 1S2473HJ |
| D104, D204 | 5143118000 | 1S2473HJ |
| | **CARBON RESISTORS** | |
| | **All resistors are rated ±5% and ¼ watt unless otherwise noted.** | |
| R101, R201 | 5181538000 | 220 k ohm |
| R102, R202 | 5181530000 | 100 k ohm |
| R103, R203 | 5181514000 | 22 k ohm |
| R104, R204 | 5181482000 | 1 k ohm |
| R105, R205 | 5181526000 | 68 k ohm |
| R106, R206 | 5181522000 | 47 k ohm |
| R107, R207 | 5181490000 | 2.2 k ohm |
| R108, R208 | 5181530000 | 100 k ohm |
| R109, R209 | 5181520000 | 39 k ohm |
| R110, R210 | 5181538000 | 220 k ohm |
| R111, R211 | 5181482000 | 1 k ohm |
| R112, R212 | 5181546000 | 470 k ohm |
| R113, R213 | 5181504000 | 8.2 k ohm |
| R114, R214 | 5181530000 | 100 k ohm |
| R115, R215 | 5181504000 | 8.2 k ohm |
| R116, R216 | 5181504000 | 8.2 k ohm |
| R117, R217 | 5181504000 | 8.2 k ohm |
| R118, R218 | 5184956000 | 10 k ohm 2% |
| R119, R219 | 5184968000 | 33 k ohm 2% |
| R120, R220 | 5181514000 | 22 k ohm |
| R121, R221 | 5184906000 | 82 ohm 2% |
| R122, R222 | 5181538000 | 220 k ohm |
| R123, R223 | 5181466000 | 220 ohm |
| R124, R224 | 5181494000 | 3.3 k ohm |
| R125, R225 | 5181472000 | 390 ohm |
| R126, R226 | 5181472000 | 390 ohm |
| R127, R227 | 5181482000 | 1 k ohm |
| R128, R228 | 5181448000 | 39 k ohm |
| R129, R229 | 5181506000 | 10 k ohm |
| R130, R230 | 5181448000 | 39 ohm |
| R131, R231 | 5184956000 | 10 k ohm 2% |
| R132, R232 | 5184968000 | 33 k ohm |
| R133, R233 | 5181482000 | 1 k ohm |
| R134, R234 | 5184906000 | 82 ohm 2% |
| R135, R235 | 5184906000 | 82 ohm 2% |
| R136, R236 | 5181522000 | 47 k ohm |
| R137, R237 | 5181482000 | 1 k ohm |
| R138, R238 | 5181520000 | 39 k ohm |
| R139, R239 | 5181554000 | 1 M ohm |
| R140, R240 | 5181534000 | 150 k ohm |
| R141, R241 | 5181490000 | 2.2 k ohm |
| R142, R242 | 5181498000 | 4.7 k ohm |
| R143, R243 | 5181506000 | 10 k ohm |
| R144, R244 | 5181504000 | 8.2 k ohm |
| R145, R245 | 5184968000 | 33 k ohm 2% |
| R146, R246 | 5184944000 | 3.3 k ohm |
| R147, R247 | 5181514000 | 22 k ohm |
| R148, R248 | 5181466000 | 220 ohm |
| R149, R249 | 5181494000 | 3.3 k ohm |
| R150, R250 | 5181472000 | 390 ohm |
| R151, R251 | 5181464000 | 180 ohm |
| R152, R252 | 5181472000 | 390 ohm |
| R153, R253 | 5181502000 | 6.8 k ohm |
| R154, R254 | 5181522000 | 47 k ohm |
| R155, R255 | 5184956000 | 10 k ohm 2% |
| R156, R256 | 5181540000 | 270 k ohm |
| R157, R257 | 5181482000 | 1 k ohm |
| R158, R258 | 5181562000 | 2.2 M ohm |
| R159, R259 | 5184963000 | 20 k ohm 2% |
| R160, R260 | 5181494000 | 3.3 k ohm |
| R161, R261 | 5181426000 | 4.7 ohm |
| R162, R262 | 5185004000 | 1 M ohm 2% |
| R163, R263 | 5181506000 | 10 k ohm |
| R164, R264 | 5181538000 | 220 k ohm |
| R165, R265 | 5181530000 | 100 k ohm |
| R166, R266 | 5181506000 | 10 k ohm |
| R167, R267 | 5184956000 | 10 k ohm 2% |
| R168, R268 | 5181554000 | 1 M ohm |
| R169, R269 | 5184946000 | 3.9 k ohm 2% |

| REF. NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| R170, R270 | 5184948000 | 4.7 k ohm |
| R171, R271 | 5184925000 | 510 ohm |
| R172, R272 | 5184948000 | 4.7 k ohm |
| R173, R273 | 5181484000 | 1.2 k ohm |
| R174, R274 | 5184906000 | 82 ohm 2% |
| R175, R275 | 5181522000 | 47 k ohm |
| R176, R276 | 5181522000 | 47 k ohm |
| R177, R277 | 5181506000 | 10 k ohm |
| R178, R278 | 5181522000 | 47 k ohm |
| R179, R279 | 5181522000 | 47 k ohm |
| R180 | 5181510000 | 15 k ohm |
| R181 | 5181510000 | 15 k ohm |
| R182 | 5181530000 | 100 k ohm |
| R183 | 5181522000 | 47 k ohm |
| R184 | 5181522000 | 47 k ohm |
| R185 | 5181510000 | 15 k ohm |
| R186 | 5181522000 | 47 k ohm |

### CAPACITORS

| | | | | |
|---|---|---|---|---|
| C101, C201 | 5054656100 | Dip. Tant | 10 mfd | 16V |
| C102, C202 | 5173771000 | Polyst. | 820 pfd | 100V 5% |
| C103, C203 | 5172209000 | Ceramic | 56 pfd | 50V |
| C104, C204 | 5173010800 | Elec. | 10 mfd | 16V (USM) |
| C105, C205 | 5171876800 | Mylar | 0.068 mfd | 100V 5% |
| C106, C206 | 5171876800 | Mylar | 0.068 mfd | 100V 5% |
| C107, C207 | 5055909000 | Elec. | 4.7 mfd | 25V B.P. |
| C108, C208 | 5170352800 | Mylar | 0.001 mfd | 100V 5% |
| C109, C209 | 5170362800 | Mylar | 0.0027 mfd | 100V 5% |
| C110, C210 | 5172214000 | Ceramic | 150 pfd | 50V |
| C111, C211 | 5171856800 | Mylar | 0.01 mfd | 100V 5% |
| C112, C212 | 5172216000 | Ceramic | 220 pfd | 50V |
| C113, C213 | 5173800000 | Polyester | 0.68 mfd | 10V 10% |
| C114, C214 | 5170352800 | Mylar | 0.001 mfd | 100V 5% |
| C115, C215 | 5172206000 | Ceramic | 33 pfd | 50V |
| C116, C216 | 5172212500 | Ceramic | 180 pfd | 50V |
| C117, C217 | 5181856800 | Mylar | 0.01 mfd | 100V 5% |
| C118, C218 | 5055909000 | Elec. | 4.7 mfd | 25V B.P. |
| C119, C219 | 5171878800 | Mylar | 0.1 mfd | 100V 5% |
| C120, C220 | 5171878800 | Mylar | 0.1 mfd | 100V 5% |
| C121, C221 | 5170372800 | Mylar | 0.0068 mfd | 100V 5% |
| C122, C222 | 5170372800 | Mylar | 0.0068 mfd | 100V 5% |
| C123, C223 | 5172216000 | Ceramic | 220 pfd | 50V 5% |
| C124, C224 | 5171878800 | Mylar | 0.1 mfd | 100V 5% |
| C125, C225 | 5171856800 | Mylar | 0.01 mfd | 100V 5% |
| C126, C226 | 5182216000 | Ceramic | 220 pfd | 50V |
| C127, C227 | 5054658100 | Dip. Tant. | 22 mfd | 16V |
| C128, C228 | 5173028800 | Elec. | 33 mfd | 25V (USM) |
| C501 | 5173055800 | Elec. | 220 mfd | 25V (USM) |
| C502 | 5173055800 | Elec. | 220 mfd | 25V (USM) |

### VARIABLE RESISTORS

| | | |
|---|---|---|
| VR101, VR201 | 5053358000 | Semi-fixed, 6.8 k ohm - B |
| VR102, VR202 | 5150279000 | Semi-fixed, 50 k ohm - B |
| VR103, VR203 | 5150274000 | Semi-fixed, 10 k ohm - B |
| VR104, VR204 | 5150279000 | Semi-fixed, 50 k ohm - B |
| VR105, VR205 | 5150279000 | Semi-fixed, 50 k ohm - B |
| VR106, VR206 | 5150279000 | Semi-fixed, 50 k ohm - B |

### MISCELLANEOUS

| | | |
|---|---|---|
| L101, L201 | 5056659000 | Coil, Trap; 3 mH |
| TP | 5544750000 | Pin, Combination |

## CONTROL PCB ASSY

| REF. NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| | 5158098000 | PCB Assy |
| | 5167797200 | PCB |

### IC

| | | |
|---|---|---|
| U601 | 5147047000 | M-54410P |

### TRANSISTORS

| | | |
|---|---|---|
| Q601~Q603 | 5145092000 | 2SC1740LN(S) |
| Q604 | 5145133000 | 2SC1645(B) |
| Q605 | 5042549000 | 2SC1636-1 |
| Q606, Q607 | 5145092000 | 2SC1740LN(S) |
| Q609 | 5145092000 | 2SC1740LN(S) |
| Q610 | 5145131000 | 2SA933LN(R) |
| Q611 | 5145092000 | 2SC1740LN(S) |
| Q613 | 5145098000 | 2SC1741Q |
| Q614 | 5145131000 | 2SA933LN(R) |
| Q615, Q616 | 5145087000 | 2SD313(E) |
| Q617, Q618 | 5145131000 | 2SA933LN(R) |
| Q619 | 5145092000 | 2SC1740LN(S) |
| Q620, Q621 | 5145087000 | 2SD313(E) |
| Q622, Q623 | 5145131000 | 2SA933LN(R) |
| Q624 | 5145087000 | 2SD313(E) |
| Q625 | 5145131000 | 2SA933LN(R) |
| Q626 | 5145087000 | 2SD313(E) |
| Q627~Q630 | 5145092000 | 2SC1740LN(S) |
| Q631 | 5145131000 | 2SA933LN(R) |
| R632, R633 | 5145092000 | 2SC1740LN(S) |
| Q636~Q640 | 5145092000 | 2SC1740LN(S) |
| Q641 | 5145131000 | 2SA933LN(R) |
| Q642 | 5145092000 | 2SC1740LN(S) |

### DIODES

| | | |
|---|---|---|
| D601~D612 | 5143118000 | IS2473HJ |
| D614~D627 | 5143118000 | IS2473HJ |
| D629 | 5143118000 | IS2473HJ |
| D630, D631 | 5143113000 | ISR34-200HM |
| D632~D634 | 5143118000 | IS2473HJ |
| D635 | 5143113000 | ISR34-200HM |
| D636~D641 | 5143118000 | IS2473HJ |
| D643 | 5143129000 | Zener, RD-5.6EB |
| D644~D649 | 5143118000 | IS2473HJ |

### CARBON RESISTORS

**All resistors are rated ±5% tolerance and ¼ watt.**

| | | |
|---|---|---|
| R601 | 5181488000 | 1.8 k ohm |
| R602~R609 | 5181446000 | 33 ohm |
| R610 | 5181498000 | 4.7 k ohm |
| R611 | 5181488000 | 1.8 k ohm |
| R612 | 5181476000 | 560 ohm |
| R613 | 5181506000 | 10 k ohm |
| R614 | 5181498000 | 4.7 k ohm |
| R615 | 5181482000 | 1 k ohm |
| R616 | 5181536000 | 180 k ohm |
| R617 | 5181498000 | 4.7 k ohm |
| R618 | 5181478000 | 680 ohm |
| R619 | 5181506000 | 10 k ohm |
| R620 | 5181498000 | 4.7 k ohm |
| R621 | 5181508000 | 12 k ohm |

| REF. NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| R622 | 5181506000 | 10 k ohm |
| R623 | 5181508000 | 12 k ohm |
| R624 | 5181506000 | 10 k ohm |
| R625 | 5181492000 | 2.7 k ohm |
| R626 | 5181502000 | 6.8 k ohm |
| R627 | 5181506000 | 10 k ohm |
| R628 | 5181492000 | 2.7 k ohm |
| R629 | 5181502000 | 6.8 k ohm |
| R630 | 5181506000 | 10 k ohm |
| R631 | 5181498000 | 4.7 k ohm |
| R632 | 5181502000 | 6.8 k ohm |
| R633 | 5181508000 | 12 k ohm |
| R634 | 5181486000 | 1.5 k ohm |
| R635 | 5181522000 | 47 k ohm |
| R636 | 5181508000 | 12 k ohm |
| R637, R638 | 5181482000 | 1 k ohm |
| R639 | 5181486000 | 1.5 k ohm |
| R640 | 5181502000 | 6.8 k ohm |
| R641 | 5181486000 | 1.5 k ohm |
| R642 | 5181508000 | 12 k ohm |
| R643 | 5181466000 | 220 ohm |
| R644 | 5181490000 | 2.2 k ohm |
| R645 | 5181510000 | 15 k ohm |
| R646 | 5181482000 | 1 k ohm |
| R647 | 5181486000 | 1.5 k ohm |
| R648 | 5181508000 | 12 k ohm |
| R649 | 5181462000 | 150 ohm |
| R650 | 5181482000 | 1 k ohm |
| R651 | 5181494000 | 3.3 k ohm |
| R652 | 5181510000 | 15 k ohm |
| R653 | 5181502000 | 6.8 k ohm |
| R654 | 5181488000 | 1.8 k ohm |
| R655 | 5181470000 | 330 ohm |
| R656 | 5181520000 | 39 k ohm |
| R657, R658 | 5181492000 | 2.7 k ohm |
| R659 | 5181476000 | 560 ohm |
| R660 | 5181492000 | 2.7 k ohm |
| R661 | 5181502000 | 6.8 k ohm |
| R662 | 5181470000 | 330 ohm |
| R553, R664 | 5181492000 | 2.7 k ohm |
| R665 | 5181476000 | 560 ohm |
| R666, R667 | 5181502000 | 6.8 k ohm |
| R668, | 5181488000 | 1.8 k ohm |
| R669 | 5181470000 | 330 ohm |
| R670, R671 | 5181492000 | 2.7 k ohm |
| R672 | 5181518000 | 33 k ohm |
| R673 | 5181486000 | 1.5 k ohm |
| R674 | 5181476000 | 560 ohm |
| R675 | 5181492000 | 2.7 k ohm |
| R676 | 5181502000 | 6.8 k ohm |
| R677 | 5181470000 | 330 ohm |
| R678 | 5181492000 | 2.7 k ohm |
| R679 | 5181476000 | 560 ohm |
| R680 | 5181492000 | 2.7 k ohm |
| R681 | 5181488000 | 1.8 k ohm |
| R682 | 5181470000 | 330 ohm |
| R683, R684 | 5181492000 | 2.7 k ohm |
| R685 | 5181476000 | 560 ohm |
| R686 | 5181492000 | 2.7 k ohm |
| R687 | 5181488000 | 1.8 k ohm |
| R688 | 5181470000 | 1.8 k ohm |
| R689, R690 | 5181492000 | 2.7 k ohm |
| R691 | 5181476000 | 560 ohm |

| REF. NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| R692 | 5181492000 | 2.7 k ohm |
| R693 | 5181502000 | 6.8 k ohm |
| R694 | 5181518000 | 33 k ohm |
| R695 | 5181462000 | 150 ohm |
| R696 | 5181514000 | 22 k ohm |
| R697 | 5181488000 | 1.8 k ohm |
| R698 | 5181518000 | 33 k ohm |
| R699 | 5181502000 | 6.8 k ohm |
| R700 | 5181494000 | 3.3 k ohm |
| R701 | 5181484000 | 1.2 k ohm |
| R702 | 5181502000 | 6.8 k ohm |
| R703 | 5181470000 | 330 ohm |
| R704 | 5181502000 | 6.8 k ohm |
| R705, R706 | 5181498000 | 4.7 k ohm |
| R707 | 5181514000 | 22 k ohm |
| R708 | 5181520000 | 39 k ohm |
| R709 | 5181486000 | 1.5 k ohm |
| R710 | 5181476000 | 560 ohm |
| R711 | 5181494000 | 3.3 k ohm |
| R712 | 5181496000 | 3.9 k ohm |
| R713 | 5181488000 | 1.8 k ohm |
| R718 | 5181514000 | 22 k ohm |
| R720 | 5181510000 | 15 k ohm |
| R721 | 5181462000 | 150 ohm |
| R722 | 5281466000 | 220 ohm |
| R723 | 5281508000 | 12 k ohm |
| R724 | 5181530000 | 100 k ohm |
| R725 | 5181522000 | 47 k ohm |
| R726 | 5181498000 | 4.7 k ohm |
| R727 | 5181514000 | 22 k ohm |
| R728 | 5181498000 | 4.7 k ohm |
| R729 | 5181514000 | 22 k ohm |
| R730 | 5181498000 | 4.7 k ohm |
| R731 | 5181514000 | 22 k ohm |
| R732~R734 | 5181462000 | 150 ohm |
| R740 | 5181462000 | 150 ohm |

## CAPACITORS

| | | | | |
|---|---|---|---|---|
| C601 | 5171314800 | Elec. | 10 mfd | 16V |
| C602~C606 | 5171290800 | Elec. | 2.2 mfd | 50V |
| C607 | 5171314800 | Elec. | 10 mfd | 16V |
| C608, C609 | 5171290800 | Elec. | 2.2 mfd | 50V |
| C610 | 5171573000 | Elec. | 47 mfd | 10V |
| C611 | 5171568000 | Elec. | 22 mfd | 16V |
| C612 | 5171582000 | Elec. | 0.33 mfd | 50V |
| C613 | 5171560000 | Elec. | 2.2 mfd | 50V |
| C614 | 5181569000 | Elec. | 22 mfd | 25V |
| C616 | 5171569000 | Elec. | 22 mfd | 25V |
| C617 | 5171306800 | Elec. | 4.7 mfd | 35V |
| C618 | 5171298800 | Elec. | 3.3 mfd | 50V |
| C619 | 5171567000 | Elec. | 10 mfd | 50V |
| C620 | 5171569000 | Elec. | 22 mfd | 25V |
| C621, C622 | 5171318800 | Elec. | 10 mfd | 35V |
| C623 | 5171280800 | Elec. | 0.47 mfd | 50V |
| C624 | 5171290800 | Elec. | 2.2 mfd | 50V |
| C627 | 5171356800 | Elec. | 100 mfd | 10V |
| C628 | 5171338800 | Elec. | 33 mfd | 16V |
| C629 | 5171356800 | Elec. | 100 mfd | 10V |
| C630 | 5171330800 | Elec. | 22 mfd | 35V |

## POWER SUPPLY PCB ASSY

| REF. NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| | 5158099000 | PCB Assy |
| | 5157099000 | PCB |
| | **TRANSISTORS** | |
| Q801 | 5145087000 | 2SD313(E) |
| Q802, Q803 | 5145092000 | 2SC1740LN(S) |
| Q804 | 5145087000 | 2SD313(E) |
| Q805 | 5145092000 | 2SC1740LN(S) |
| Q806 | 5145135000 | 2SD400MP(E) |
| Q807 | 5145095000 | 2SA826LN(S) |
| Q808 | 5145087000 | 2SD313(E) |
| Q809, Q810 | 5145092000 | 2SC1740LN(S) |
| Q811 | 5145129000 | 2SB507(E) |
| Q812 | 5145095000 | 2SA826LN(S) |
| Q813 | 5145092000 | 2SC1740LN(S) |
| Q814 | 5145095000 | 2SA826LN(S) |
| Q815 | 5145092000 | 2SC1740LN(S) |
| | **DIODES** | |
| D801~D808 | 5143113000 | 1SR34-200HM |
| D809 | 5143108000 | Zener, RD-13EB |
| D811 | 5042554000 | Zener, RD-6.2EB |
| D812 | 5143113000 | 1SR34-200HM |
| D813 | 5143129000 | Zener, RD-5.6EB |
| D816~D819 | 5143113000 | 1SR34-200HM |
| D820, D821 | 5143118000 | 1S2473HJ |
| D822 | 5042554000 | Zener, RD-6.2EB |
| D823~D826 | 5143118000 | 1S2473HJ |
| D827 | 5042551000 | Zener, XZ-190 |
| D828 | 5143118000 | 1S2473HJ |
| D829 | 5143116000 | 1SR34-200VL |
| | **RESISTORS** | |
| | **All resistors are rated ±5% tolerance, ¼ watt carbon type unless otherwise noted.** | |
| R801~R803 | 5181506000 | 10 k ohm |
| R804 | 5181490000 | 2.2 k ohm |
| R805 | 5181498000 | 4.7 k ohm |
| R806 | 5181490000 | 2.2 k ohm |
| R807 | 5181498000 | 4.7 k ohm |
| R808 | 5181502000 | 6.8 k ohm |
| R809 | 5181490000 | 2.2 k ohm |
| R811 | 5181484000 | 1.2 k ohm |
| R812, R813 | 5181502000 | 6.8 k ohm |
| R814 | 5181482000 | 1 k ohm |
| R815 | 5181510000 | 15 k ohm |
| R816 | 5181464000 | 180 ohm |
| R820 | ⚠5184724000 | 10 ohm 2W Metal film |
| R821 | 5180094000 | 3.3 k ohm ½W Fusible |
| R822 | 5181506000 | 10 k ohm |
| R823 | 5181458000 | 100 ohm |
| R824 | 5181474000 | 470 ohm |
| R825, R826 | 5181506000 | 10 k ohm |
| R827 | 5181502000 | 6.8 k ohm |
| R828 | 5184956000 | 10 k ohm 2% |
| R829 | ⚠5184724000 | 10 ohm 2W Metal Film |
| R830 | 5181506000 | 10 k ohm |
| R831 | 5181458000 | 100 ohm |
| R832 | 5181474000 | 470 ohm |
| R833 | 5181536000 | 180 k ohm |
| R834 | 5184956000 | 10 k ohm 2% |
| R835 | 5181494000 | 3.3 k ohm |
| R836 | 5181490000 | 2.2 k ohm |
| R837 | 5181446000 | 33 ohm |
| R838 | 5181524000 | 56 k ohm |
| R839 | 5181482000 | 1 k ohm |
| R840 | 5181484000 | 1.2 k ohm |
| R841 | 5181462000 | 150 ohm |
| R842, R843 | 5181510000 | 15 k ohm |
| | **CAPACITORS** | |
| C801 | 5173084800 | Elec. 1000 mfd 50V (USM) |
| C802 | 5173094800 | Elec. 3300 mfd 25V (USM) |
| C803, C804 | 5173084800 | Elec. 1000 mfd 50V (USM) |
| C805 | 5173048800 | Elec. 100 mfd 50V (USM) |
| C806 | 5172992800 | Elec. 1 mfd 50V (USM) |
| C807 | 5173083800 | Elec. 1000 mfd 35V (USM) |
| C809 | 5173082800 | Elec. 1000 mfd 25V (USM) |
| C810 | 5173072800 | Elec. 470 mfd 16V (USM) |
| C811 | 5173080800 | Elec. 1000 mfd 10V (USM) |
| C812 | 5173044800 | Elec. 100 mfd 10V (USM) |
| C813 | 5173070800 | Elec. 470 mfd 6.3V (USM) |
| C817, C818 | 5173065800 | Elec. 330 mfd 35V (USM) |
| C819 | 5173935800 | Elec. 47 mfd 10V (USM) |
| C820 | 5173005800 | Elec. 4.7 mfd 35V (USM) |
| C821 | 5173010800 | Elec. 10 mfd 16V (USM) |
| C822 | 5173011800 | Elec. 10 mfd 25V (USM) |
| C823, C824 | 5173065800 | Elec. 330 mfd 35V (USM) |
| C825 | 5173035800 | Elec. 47 mfd 10V (USM) |
| C826 | 5173005800 | Elec. 4.7 mfd 35V (USM) |
| C827 | 5170401800 | Mylar 0.001 mfd 100V |
| C828 | 5173010800 | Elec. 10 mfd 16V (USM) |
| C829 | 5173011800 | Elec. 10 mfd 25V (USM) |
| C830 | 5173064800 | Elec. 330 mfd 25V (USM) |
| C831 | 5173019800 | Elec. 22 mfd 25V (USM) |
| C832 | 5172992800 | Elec. 1 mfd 50V (USM) |
| C833 | 5173005800 | Elec. 4.7 mfd 35V (USM) |
| | **VARIABLE RESISTORS** | |
| R844 | 5053446000 | Semi-fixed, 1 k ohm - B |
| R845 | 5150097000 | Semi-fixed, 5 k ohm - B |
| | **MISCELLANEOUS** | |
| | 5023487000 | Heat sink |
| | 5033295000 | Tube, Insulating |
| | 5033291000 | Plate, Insulating |

## JOINT PCB ASSY

| REF. NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| | 5168802100 | PCB Assy |
| | 5167802100 | PCB |
| D817 | 5143114000 | Diode, 1SR34-400HM |
| D818 | 5143114000 | Diode, 1SR34-400HM |
| D819 | 5143114000 | Diode, 1SR34-400HM |

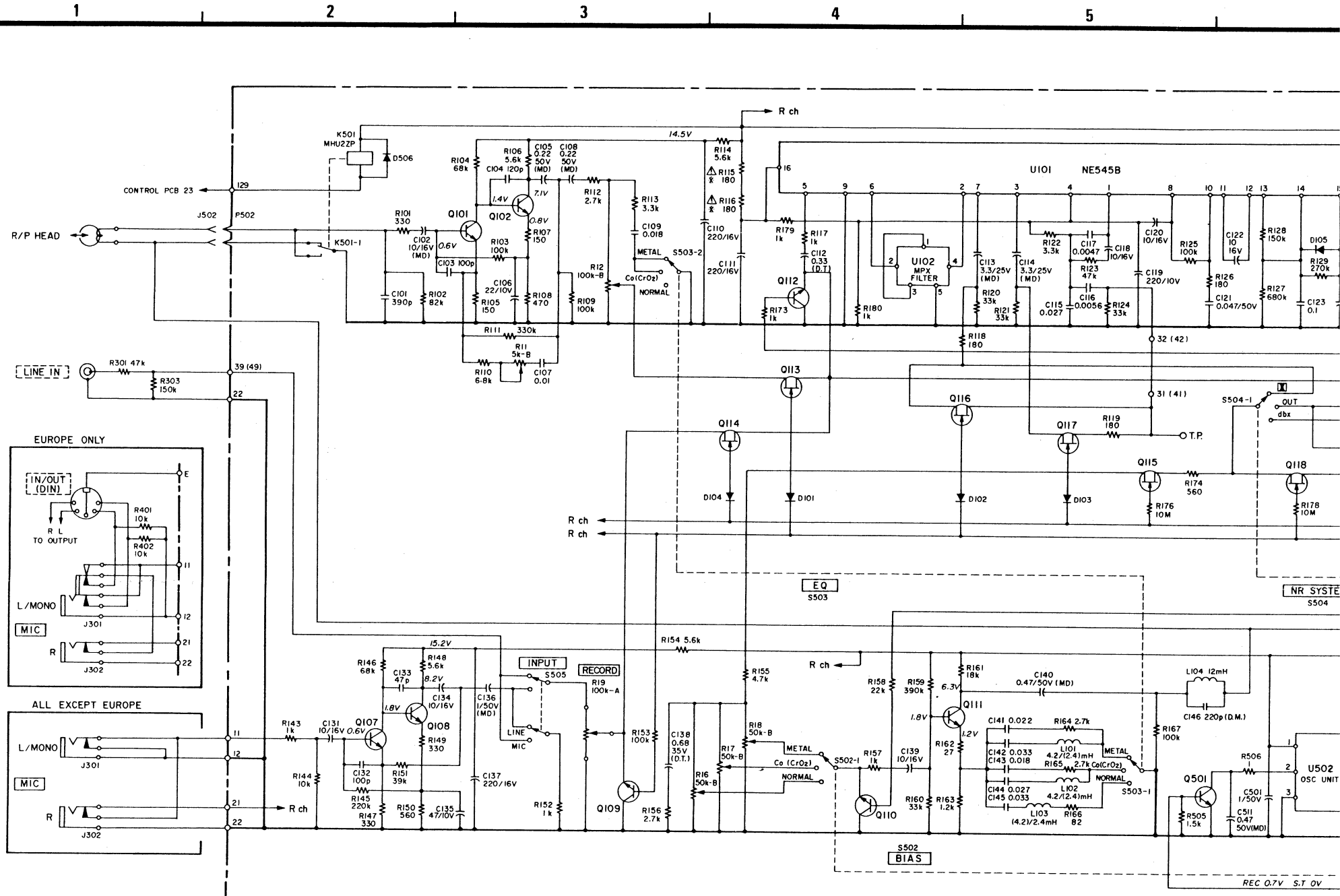
| REF. NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| D820 | 5143114000 | Diode, ISR34-400HM |
| R954 | ⚠5181828000 | Resistor 15 ohm ¼W 5% Non Flammable |
| R955 | 5180066000 | Carbon Res., 220 ohm ½W |
| C951 | 5055946000 | Elec. 10 mfd 50V B.P. |
| P801 | 5122136000 | Connector, Plug; 12P |
| P802 | 5122129000 | Connector, Plug; 5P |

(Continued from page 23)

**Parts marked with *require longer delivery time than regular parts.**

| REF. NO. | PARTS NO. | DESCRIPTION | REMARKS |
|---|---|---|---|
| 4 - 36 | *5158163000 | PCB Assy, TIMER | |
| | *5210000100 | PCB, TIMER | Part of 4 - 36 |
| | *5133019000 | Switch, Rotary; DP3T | Part of 4 - 36 |
| 4 - 37 | *5534422100 | Rod, Power Switch | |
| 4 - 38 | *5534431000 | Button, B | |
| 4 - 39 | ⚠*5134036000 | Switch, Power | JAPAN, GENERAL EXPORT, AUSTRALIA |
| | ⚠*5134011000 | Switch, Power | EUROPE, U.K. |
| | ⚠*5134037000 | Switch, Power | U.S.A. |
| | ⚠*5134018000 | Switch, Power | CANADA |
| 4 - 40 | ⚠*5052905000 | Spark Killer, 0.1 mfd +120 ohm 400 V AC | JAPAN |
| | ⚠*5052906000 | Spark Killer, 0.033 mfd +120 ohm 125 V AC | U.S.A. |
| | ⚠*5052911000 | Spark Killer, 0.033 mfd +120 ohm 250 V AC | CANADA |
| | ⚠*5052908000 | Spark Killer, 4700 pfd 250 V AC | EUROPE, U.K. |
| | ⚠*5052907000 | Spark Killer, 0.01 mfd +300 ohm 400 V AC | GENERAL EXPORT, AUSTRALIA |
| 4 - 41 | *5555561000 | Bracket, Power Switch | |
| 4 - 42 | *5551031200 | Chassis, Amplifier | |
| 4 - 43 | *5534473000 | Rivet, T-type | |
| 4 - 44 | *5158098000 | PCB Assy, CONTROL | |
| 4 - 45 | *5553353100 | Bracket, Transformer | |
| 4 - 46 | ⚠*5152235000 | Transformer, Power | JAPAN |
| | ⚠*5152236000 | Transformer, Power | U.S.A., CANADA |
| | ⚠*5152237000 | Transformer, Power | EUROPE, U.K., AUSTRALIA |
| | ⚠*5152238000 | Transformer, Power | GENERAL EXPORT |
| 4 - 47 | *5555626000 | Washer, Transformer | |
| 4 - 48 | *5555060000 | Bracket, B | |
| 4 - 49 | ⚠*5167548100 | PCB, Voltage Selector | |
| 4 - 50 | ⚠*5555062000 | Bar, Shorting; A | |
| 4 - 51 | *5157100000 | PCB Assy, FUSE | |
| | *5142087000 | Holder, Fuse | Part of 4 - 51 |
| 4 - 52 | ⚠*5142186000 | Fuse, 800 mA 250V | EUROPE, U.K., AUSTRALIA |
| 4 - 53 | ⚠*5142088000 | Fuse, 250 mA 250V | EUROPE, U.K., AUSTRALIA |
| 4 - 54 | ⚠*5041140000 | Fuse, 1 AT 250V | EUROPE, U.K., AUSTRALIA |
| 4 - 55 | ⚠*5142179000 | Fuse, 100 mA 250V | EUROPE, U.K., AUSTRALIA |
| 4 - 56 | *5553354000 | Bracket, PCB; A | |
| 4 - 57 | *5158099000 | PCB Assy, POWER SUPPLY | |
| 4 - 58 | *5023487000 | Heat Sink | |
| 4 - 59 | *5033291000 | Plate, Insulating | |
| 4 - 60 | *5145129000 | Transistor, 2SB507 (B) | |
| 4 - 61 | *5145087000 | Transistor, 2SD313 (E) | |
| 4 - 62 | *5033295000 | Tube, Insulating | |
| 4 - 63 | *5555564100 | Heat Sink | |
| 4 - 64 | *5145087000 | Transistor, 2SD313 (E) | |
| 4 - 65 | *5555884000 | Washer, $\phi$7 x $\phi$12 x t1.6 | |
| 4 - 66 | *5555563000 | Paper, Shield | |

# TEAC SCHEMATIC DIAGRAM (AMPLIFIER) A-550RX



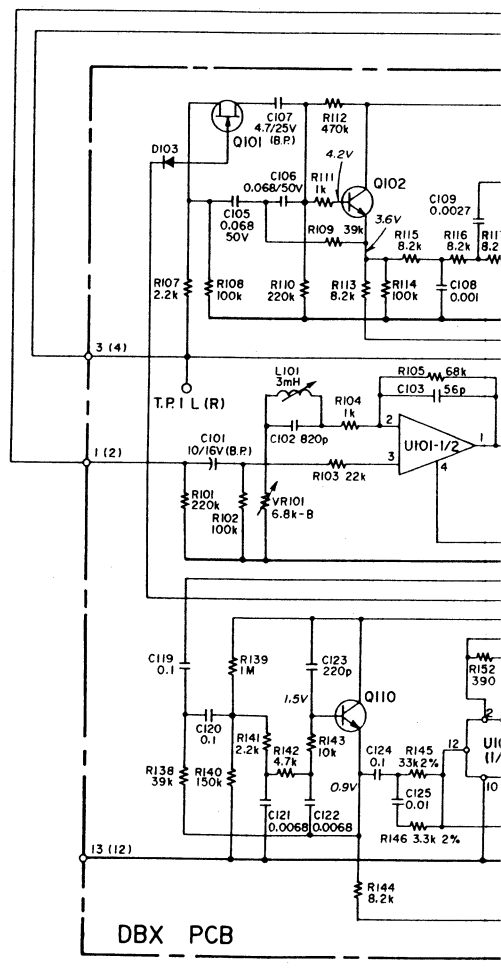

## REC/PLAY AMPL PCB

### REC/PLAY AMPL PWB

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| U101 | NE-545B | Q108 | 2SC2021LNF(S) | Q208 | 2SC2021LNF(S) | D101 ~ D104 | 1S2473HJ | D501 | 1N60 |
| U501 | LA4170 | Q109, Q110 | 2SC1636-2 | Q209, Q210 | 2SC1636-2 | D105 | 1N60 | D502, D503 | 1S2473HJ |
| U502 | OSC UNIT | Q111 | 2SC900U(A) | Q211 | 2SC900U(A) | D106 | 1S2473HJ | D504 | 1SR34-200HM |
| | | Q112 | 2SC1636-2 | Q212 | 2SC1636-2 | | | D505 | 1N60 |
| Q101, Q102 | 2SC900U(A) | Q113 ~ Q119 | 2SK68A(L) | Q213 ~ Q219 | 2SK68A(L) | D201 ~ D204 | 1S2473HJ | D506 | 1SR34-200HM |
| Q103 | 2SC1636-2 | | | | | D205 | 1N60 | D507 | EQA01-06R |
| Q104 | 2SC2021LNF(S) | Q201, Q202 | 2SC900U(A) | Q501 | 2SC1741Q | D206 | 1S2473HJ | | |
| Q105, Q106 | 2SC1636-2 | Q203 | 2SC1636-2 | Q502 | 2SC2021LNF(S) | | | | |
| Q107 | 2SC900U(A) | Q204 | 2SC2021LNF(S) | Q503 | 2SA786LNF(R) | | | | |
| | | Q205, Q206 | 2SC1636-2 | Q504 | 2SC2021LNF(S) | | | | |
| | | Q207 | 2SC900U(A) | Q505, Q506 | 2SA786LNF(R) | | | | |

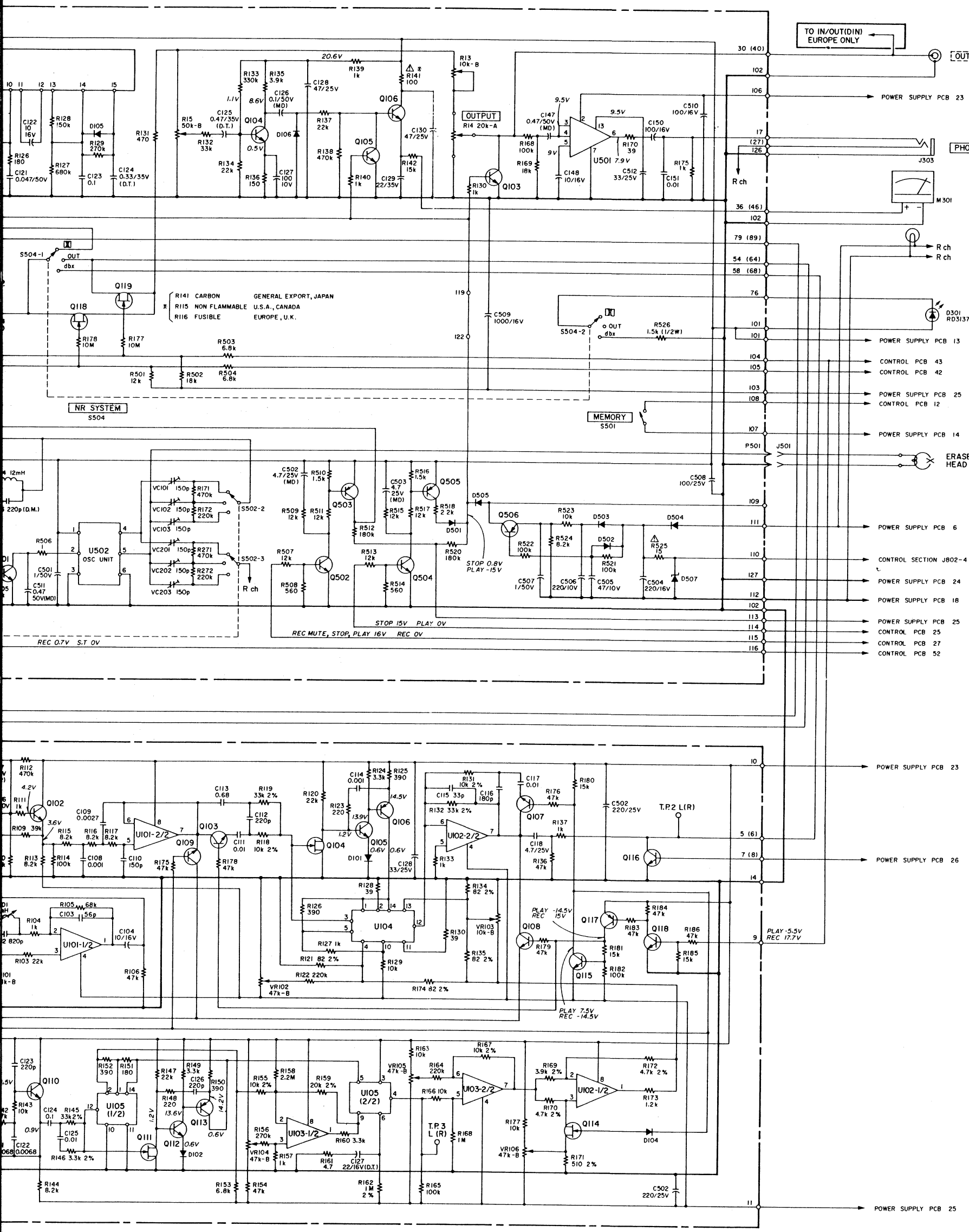
### DBX PCB

| | | | | | |
|---|---|---|---|---|---|
| U101 ~ U103 | 4558DF | Q107 ~ Q109 | 2SC1636-2 | D101 ~ D104 | 1S2473HJ |
| U104 | BA651 | Q110 | 2SC1222E | | |
| U105 | BA652 | Q111 | 2SK30A(O) | | |
| | | Q112 | 2SC1222E | | |
| Q101 | 2SK68AM | Q113 | 2SA750E | | |
| Q102 | 2SC1222E | | | | |
| Q103 | 2SC1636-2 | Q114 | 2SK68AM | | |
| Q104 | 2SK30A(O) | Q115 | 2SC1740LN(S) | | |
| Q105 | 2SC1222E | Q116 | 2SC1636-2 | | |
| Q106 | 2SA750E | Q117 | 2SA750E | | |
| | | Q118 | 2SC1740LN(S) | | |




**NOTES**

1. ALL RESISTORS ARE ¼ WATT, 5%, UNLESS M
   RESISTOR VALUES ARE IN OHMS (k = 1,000 O
2. ALL CAPACITOR VALUES ARE IN MICROFAR
3. SCHEMATIC DIAGRAM SHOWN FOR LEFT CHA
   SOME OF THE COMPONENTS.
4. DC VOLTAGES WERE MEASURED DURING RE
   UNLESS OTHERWISE NOTED.
5. ⚠PARTS MARKED WITH THIS SIGN ARE SAFE
   PONENTS. THEY MUST ALWAYS BE REPLACED
   COMPONENTS - REFER TO THE TEAC PARTS L
   EXACT REPLACEMENT.



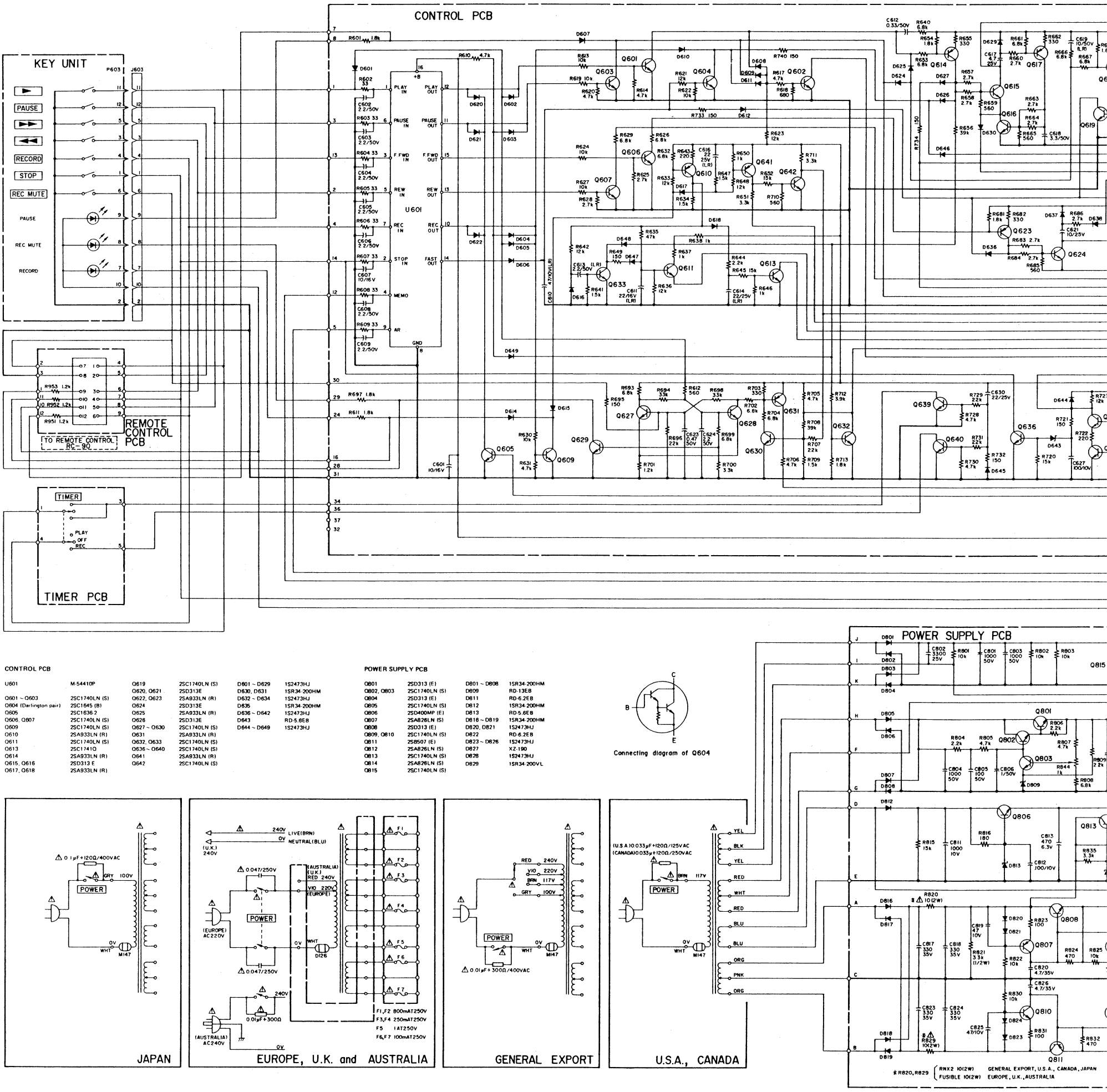

ATT, 5%, UNLESS MARKED OTHERWISE.
N OHMS (k = 1,000 OHMS, M = 1,000,000 OHMS).
ARE IN MICROFARADS (p = PICOFARADS).
OWN FOR LEFT CHANNEL EXCEPT FOR
TS.
SURED DURING RECORD PAUSE MODE
D.
IS SIGN ARE SAFETY CRITICAL COM-
WAYS BE REPLACED WITH IDENTICAL
THE TEAC PARTS LIST AND ENSURE

# A-550RX

## Stereo Cassette Deck

550RX

# TEAC SCHEMATIC DIAGRAM (TAPE TRANSPORT) A-550RX




CONTROL PCB

| | | | | | |
|---|---|---|---|---|---|
| U601 | M-54410P | Q619 | 2SC1740LN (S) | D601 ~ D629 | 1S2473HJ |
| | | Q620, Q621 | 2SD313E | D630, D631 | 1SR34-200HM |
| Q601 ~ Q603 | 2SC1740LN (S) | Q622, Q623 | 2SA933LN (R) | D632 ~ D634 | 1S2473HJ |
| Q604 (Darlington pair) | 2SC1645 (B) | Q624 | 2SD313E | D635 | 1SR34-200HM |
| Q605 | 2SC1636 2 | Q625 | 2SA933LN (R) | D636 ~ D642 | 1S2473HJ |
| Q606, Q607 | 2SC1740LN (S) | Q626 | 2SD313E | D643 | RD-5.6EB |
| Q609 | 2SC1740LN (S) | Q627 ~ Q630 | 2SC1740LN (S) | D644 ~ D649 | 1S2473HJ |
| Q610 | 2SA933LN (R) | Q631 | 2SA933LN (R) | | |
| Q611 | 2SC1740LN (S) | Q632, Q633 | 2SC1740LN (S) | | |
| Q613 | 2SC1741Q | Q636 ~ Q640 | 2SC1740LN (S) | | |
| Q614 | 2SA933LN (R) | Q641 | 2SA933LN (R) | | |
| Q615, Q616 | 2SD313 E | Q642 | 2SC1740LN (S) | | |
| Q617, Q618 | 2SA933LN (R) | | | | |

POWER SUPPLY PCB

| | | | |
|---|---|---|---|
| Q801 | 2SD313 (E) | D801 ~ D808 | 1SR34-200HM |
| Q802, Q803 | 2SC1740LN (S) | D809 | RD-13EB |
| Q804 | 2SD313 (E) | D811 | RD-6.2EB |
| Q805 | 2SC1740LN (S) | D812 | 1SR34-200HM |
| Q806 | 2SD400MP (E) | D813 | RD-5.6EB |
| Q807 | 2SA826LN (S) | D816 ~ D819 | 1SR34-200HM |
| Q808 | 2SD313 (E) | D820, D821 | 1S2473HJ |
| Q809, Q810 | 2SC1740LN (S) | D822 | RD-6.2EB |
| Q811 | 2SB507 (E) | D823 ~ D826 | 1S2473HJ |
| Q812 | 2SA826LN (S) | D827 | XZ-190 |
| Q813 | 2SC1740LN (S) | D828 | 1S2473HJ |
| Q814 | 2SA826LN (S) | D829 | 1SR34-200VL |
| Q815 | 2SC1740LN (S) | | |




Connecting diagram of Q604

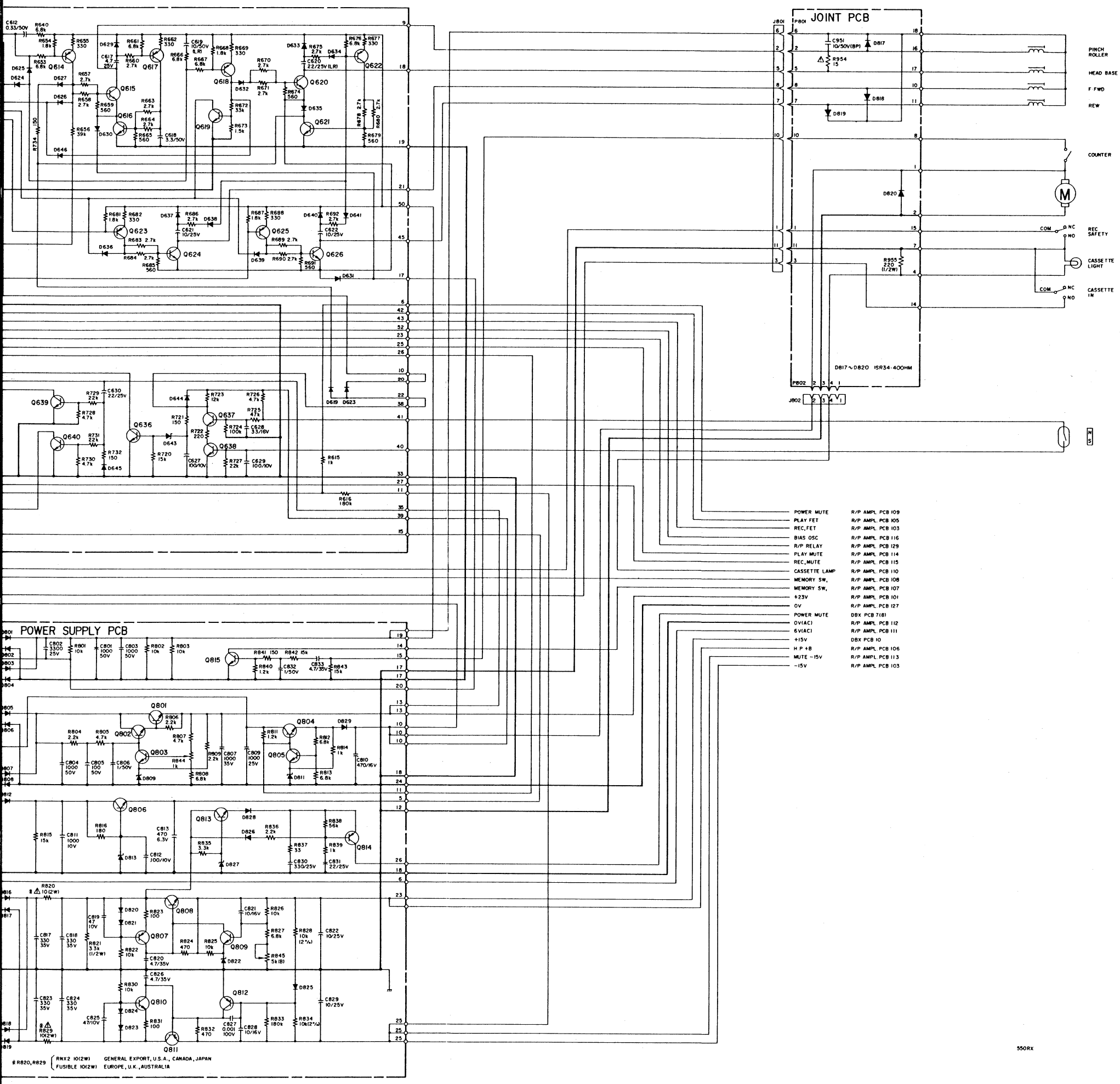






**NOTES**

1. ALL RESISTORS ARE ¼ WATT, 5%, UNLESS MARKED O
   RESISTOR VALUES ARE IN OHMS (k = 1,000 OHMS, M =
2. ALL CAPACITOR VALUES ARE IN MICROFARADS (p = I
3. ⚠PARTS MARKED WITH THIS SIGN ARE SAFETY CRITI
   PONENTS. THEY MUST ALWAYS BE REPLACED WITH I
   COMPONENTS - REFER TO THE TEAC PARTS LIST AND
   EXACT REPLACEMENT.



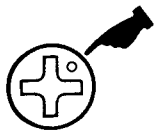

RE ¼ WATT, 5%, UNLESS MARKED OTHERWISE.
S ARE IN OHMS (k = 1,000 OHMS, M = 1,000,000 OHMS).
VALUES ARE IN MICROFARADS (p = PICOFARADS).
WITH THIS SIGN ARE SAFETY CRITICAL COM-
UST ALWAYS BE REPLACED WITH IDENTICAL
FER TO THE TEAC PARTS LIST AND ENSURE
ENT.

# A-550RX

## Stereo Cassette Deck

## ASSEMBLING HARDWARE CODING LIST

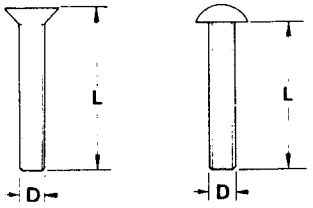
All screws conform to ISO standards, and have crossrecessed heads, unless otherwise noted. ISO screws have the head inscribed with a point as in the figure to the right.



*FOR EXAMPLE:*

B M3 x 6

- B — Nomenclature
- M — Metric System
- 3 — Diameter in mm (D) *
- 6 — Length in mm (L)




* Inner dia. for washers and nuts

| | Code | Name | Type |
|---|---|---|---|
| MACHINE SCREW | R | Round Head Screw | |
| | P | Pan Head Screw | |
| | T | Stove Head Screw (Truss) | |
| | B | Binding Head Screw | |
| | F | Flat Countersunk Head Screw | |
| | O | Oval Countersunk Head Screw | |
| WOOD SCREW | RW | Round Head Wood Screw | |
| TAPTITE SCREW | PTT | Pan Head Taptite Screw | |
| | WTT | Washer Head Taptite Screw | |
| SEMS SCREW | BSA | Binding Head SEMS Screw(A Type) | |
| | BSB | Binding Head SEMS Screw(B Type) | |
| | BSF | Binding Head SEMS Screw(F Type) | |
| | PSA | Pan Head SEMS Screw(A Type) | |
| | PSB | Pan Head SEMS Screw(B Type) | |

| | Code | Name | Type |
|---|---|---|---|
| TAPPING SCREW | BTA | Binding Head Tapping Screw(A Type) | |
| | BTB | Binding Head Tapping Screw(B Type) | |
| | RTA | Round Head Tapping Screw(A Type) | |
| | RTB | Round Head Tapping Screw(B Type) | |
| SETSCREW | SF | Hex Socket Setscrew(Flat Point) | |
| | SC | Hex Socket Setscrew(Cup Point) | |
| | SS | Slotted Socket Setscrew(Flat Point) | |
| WASHER | E | E-Ring (Retaining Washer) | |
| | W | Flat Washer (Plain) | |
| | SW | Lock Washer (Spring) | |
| | LWI | Lock Washer (Internal Teeth) | |
| | LWE | Lock Washer (External Teeth) | |
| | TW | Trim Washer (Countersunk) | |
| NUT | N | Hex Nut | |

# A-550RX

TEAC®


| | |
|---|---|
| TEAC CORPORATION | 3-7-3 NAKA-CHO MUSASHINO TOKYO PHONE (0422) 53-1111 |
| TEAC CORPORATION OF AMERICA | 7733 TELEGRAPH ROAD MONTEBELLO CALIFORNIA 90640 PHONE (213) 726-0303 |
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PRINTED IN JAPAN 0978 SYU I.8 D-3247A